

National Railroad Passenger Corporation
Wilmington Maintenance Facility, 4001 Vandever Avenue, Wilmington, Delaware 19802



February 28, 1991

RECEIVED

State of Delaware
DNREC
Division of Air & Waste
Management
89 Kings Hwy.
PO box 1401
Dover, DE 19903
Attn: Mr. Alan Simpson

MAR 4 1991

**HAZARDOUS WASTE
MANAGEMENT BRANCH**

Dear Mr. Simpson:

As per your request to comply with regulations 265.16 (d) (1), 265.16 (e) (d) (4) and 265.16 (a) and (b), the training records for PCBs, Hazardous Waste classroom instruction, Fire Brigade Training and Hazardous Communication Training records are included with this correspondence.

I hope the records are satisfactory and bring this facility into compliance. If there are any question involving training records, please contact my office at 302/429-6458.

Sincerely,

A handwritten signature in black ink, appearing to read "Fulton J. Williams, Jr.", written in a cursive style.

Fulton J. Williams, Jr.
Supervisor of Shop Environment

February 7, 1991

RECEIVED

FEB 14 1991

**HAZARDOUS WASTE
MANAGEMENT BRANCH**

State of Delaware
D.N.R.E.C.
Div. of Air - Waste Mgmt.
89 Kings Hwy., P.O. Box 1401
Dover, DE 19903

Attn: Mr. Alan Simpson

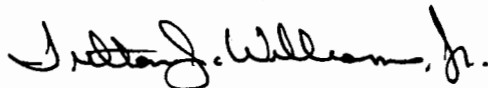
Dear Mr. Simpson:

The violations noted in the N.O.V. dated January 8, 1991 are being addressed as follows. The area North of the Battery house will not be used to store drummed wastes again.

Approximately (13) work days after Toxicity Characterization Leaching Procedure is performed, the material will be transported to the disposal facility. In addition, as soon as the data is gathered, we will supply you with additional training records, course numbers and attendance rosters for verification as to completion of courses. The S.P.C.C. plan will be amended to elevate this facility to compliance level regarding the handling of hazardous wastes.

If there are any questions, please contact my office at 302-429-6458.

Respectfully,



Fulton J. Williams, Jr.
Supervisor of Shops Environment

FJW:lt

FILE COPY

National Railroad Passenger Corporation
Wilmington Maintenance Facility, 4001 Vandever Avenue, Wilmington, Delaware 19802



March 20, 1991

RECEIVED

MAR 26 1991

**HAZARDOUS WASTE
MANAGEMENT BRANCH**

State of Delaware
DNREC
Division of Air & Waste
Management
PO Box 1401, 89 Kings Hwy.
Dover, DE 19903
Attn: Mr. Alan Simpson

Mr. Simpson:

The SPCC plan for the Wilmington Maintenance Facility has been amended to, hopefully, comply with State and Federal regulations. The following changes have been made to update the existing SPCC, with more changes to follow.

A listing of product storage areas with a corresponding map location so that a fire team or response team will be able to locate a problem area. Copies of associated labeling and forms relevant to the type wastes generated at this facility are also provided.

The Fire Brigade team is our primary response team, and certification will be handled through training at the Delaware State Fire School which will commence on June 17, 18 and 19th so that they will be better prepared to handle a flammable situation.

We have practiced regular fire drills and training aids to educate our employees. We feel that our standards are very high at this facility and we have hopes of surpassing our present standards.

I hope that the additional information provided will bring this facility into compliance. If there are any other questions concerning the updates, please contact my office at 302/429-6458.

Sincerely,

A handwritten signature in black ink, appearing to read "Fulton J. Williams, Jr." with a stylized flourish at the end.

Fulton J. Williams, Jr.
Supervisor of Shop Environment

National Railroad Passenger Corporation
Wilmington Maintenance Facility, 4001 Vandever Avenue, Wilmington, Delaware 19802



March 7, 1991

State of Delaware
DNREC
Division of Air & Waste
Management
89 Kings Hwy.
PO Box 1401
Dover, DE 19903
Attn: Mr. Alan Simpson

Dear Mr. Simpson:

In reference to our conversation regarding training in respect to handling hazardous (flammable materials or situations), this facility has incorporated the following approach. The Fire Brigade team was formulated in 1989, and consists of (5) members. These individuals were trained at the Dover Fire School in 1989. The course was adequate to accommodate any situations referring to hazardous (flammable materials) handling.

The General Manager has appropriated monies to send the members of our Fire Brigade Team to the Dover Fire School during the month of June (the 17th, 18th, and 19th) for a refresher course entitled (Hazardous Materials Site Control). I hope our actions are positive indications that we fully intend to comply with all regulations applicable to this facility.

If there are any questions, please contact my office at 302/429-6458.

Respectfully,

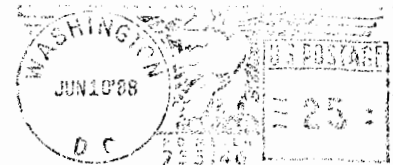
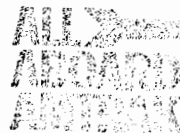
A handwritten signature in black ink, reading "Fulton W. Williams, Jr." in a cursive script.

Fulton W. Williams, Jr.
Supervisor of Shop Environment

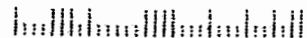
FJW/mm

TWBrzozowski

National Railroad Passenger Corporation
400 North Capitol Street, N.W.
Washington, DC 20001



U. S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107





June 9, 1988

U. S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

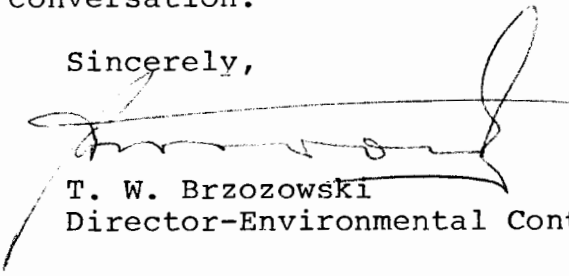
Attn.: Mr. John Nevius (3HW15)

Re: The Wilmington Maintenance Facility

Dear Mr. Nevius:

Confirming our telephone conversation of June 9, 1988, we will deliver to you all available materials regarding solid wastes handling procedures in our Wilmington Facility by July 8, 1988, as agreed in our conversation.

Sincerely,



T. W. Brzozowski
Director-Environmental Control

RECORD OF
COMMUNICATION

☐ OTHER (SPECIFY)

Phone ☒ 202-383-253

(Record of item checked above)

TO:

T.W. Brzozowski
Amtrak

FROM:

J. Nevius Enf.
Del Mar VA RCRA

DATE

6/9/88

TIME

3:15 p.m.

SUBJECT

NPDES/RCRA Impoundments Info request
extension

SUMMARY OF COMMUNICATION

date of receipt extended until
7/8/88 because of multiple training

CONCLUSIONS, ACTION TAKEN OR REQUIRED

he will send me a confirmation letter

INFORMATION COPIES

TO:

File

4/13/88

contact T.W. Brzozowski
Director Environmental Control
same address

Amttrak - Notes on initial Del 12 submittal

generator < 90 day storage - RCRA status

2 waste oil storage tanks

? description of 2 waste oil storage tanks
? waste stream influent

IWWTP

attachment 2

6/3/87

scrap oil Tank LS-2 const. specs. 7.5 mg/l Pb

scrap oil #10 scrap tank

5/12/87

ignitable

ph = 12.4

attachment 3

WWTP - sludge analysis

92 ppb

10/30/86

Trans-1,2 dichloroethylene

390 ppb toluene

221 ppb ethylbenzene

attachment 5

2 outfalls High TCE in one > 50 ppb

clarify? is impoundment call state
or find someone who's visited

? equalization pond
that receives - Industrial Shop Floor
Run-off.

A. General Description of Discharges and Facilities

Existing Situation:

Presently, waste water from the Wilmington facility is carried via combined storm, sanitary, and industrial sewers and the majority of the flow is discharged directly to the city sanitary sewer. During heavy and prolonged rains, excess water also flows to the Brandywine Creek tributary through the overflow of a lift station to the Wilmington collection system. This combined with all storm water and seepage from the tributary banks flow through overflow pipes in a containment dam, called Dam B, which is termed Outfall 001. The balance of the facility's water flows to the Shellpot Creek as discharge point #002. This discharge is primarily storm water and does not contain any sanitary waste. (Reference: Schematic flow diagram on page 4.)

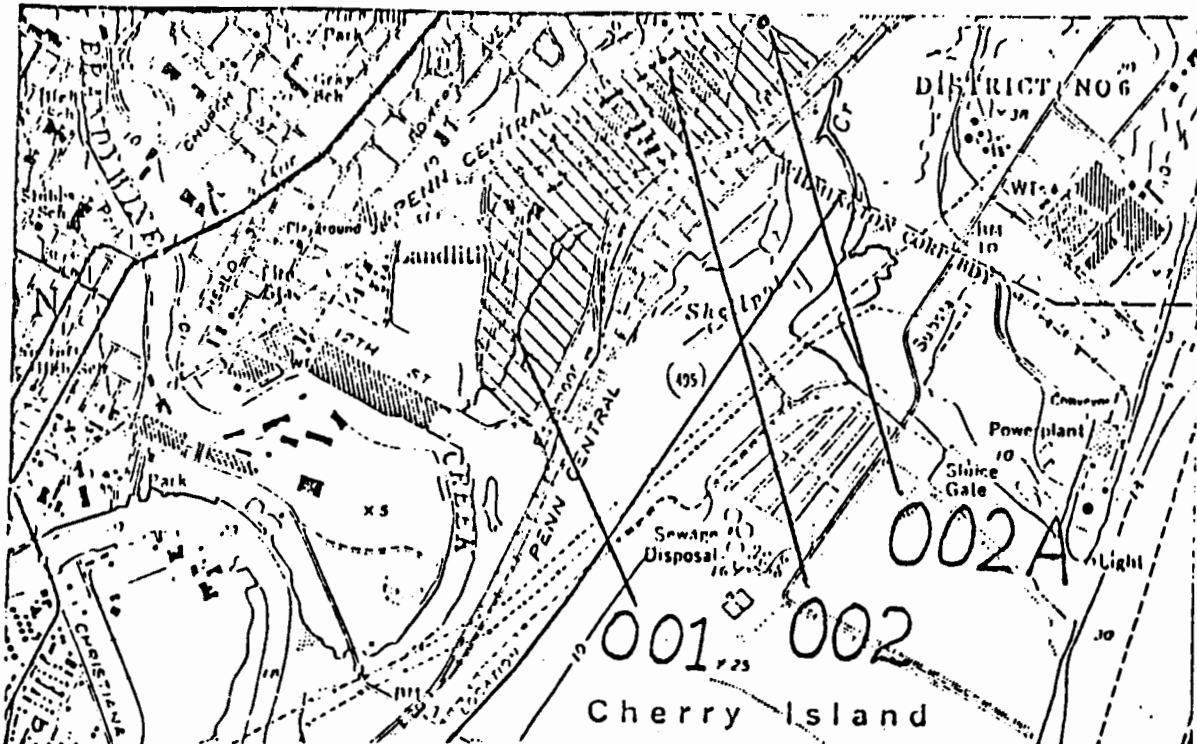
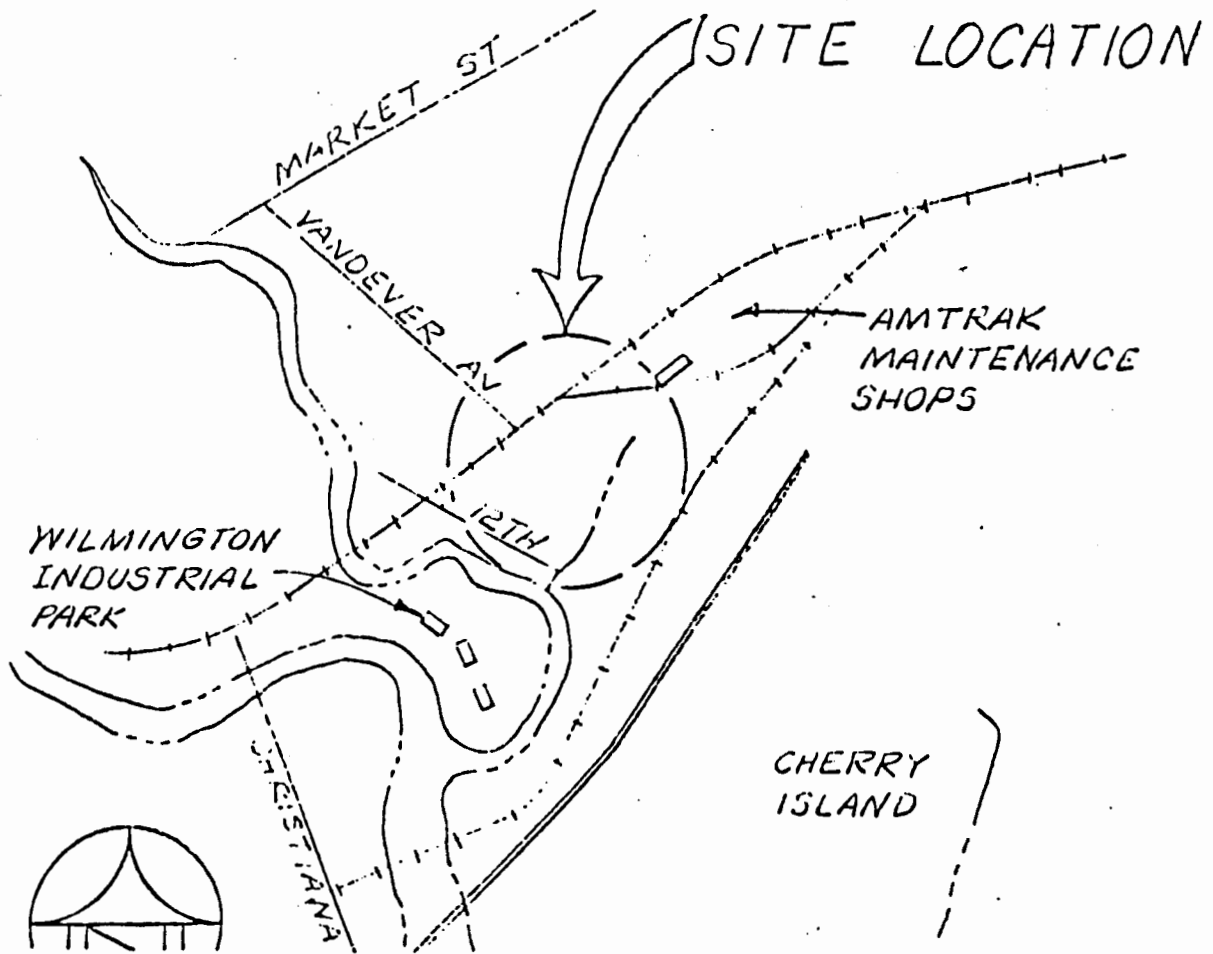
Planned Program:

The waste water treatment system planned for the Wilmington facility is being done in conjunction with Northeast Corridor Improvement Project (NECIP) and will be accomplished in three phases as shown below:

Phase I includes (a) Dissolved Air Flotation (DAF) system to pretreat industrial runoff, (b) the separation of storm, sanitary and industrial lines, (c) the sealing of abandoned lines, and (d) the paving of a parking lot and a roadway. (Reference: Schematic flow diagram on page 5.)

Phase II will include: (a) the balance of the storm drain installation, (b) the rehabilitation and/or relocation of existing storage tanks and dikes, and (c) the installation of a drum storage area. (Reference: Schematic flow diagram on page 6.)

Phase III includes: (a) the installation of fuel and truck delivery pads, (b) a gravity oil separator, (c) miscellaneous piping, and (d) the balance of the paving of roadways and parking lots. (Reference: Schematic flow diagram on page 7.)



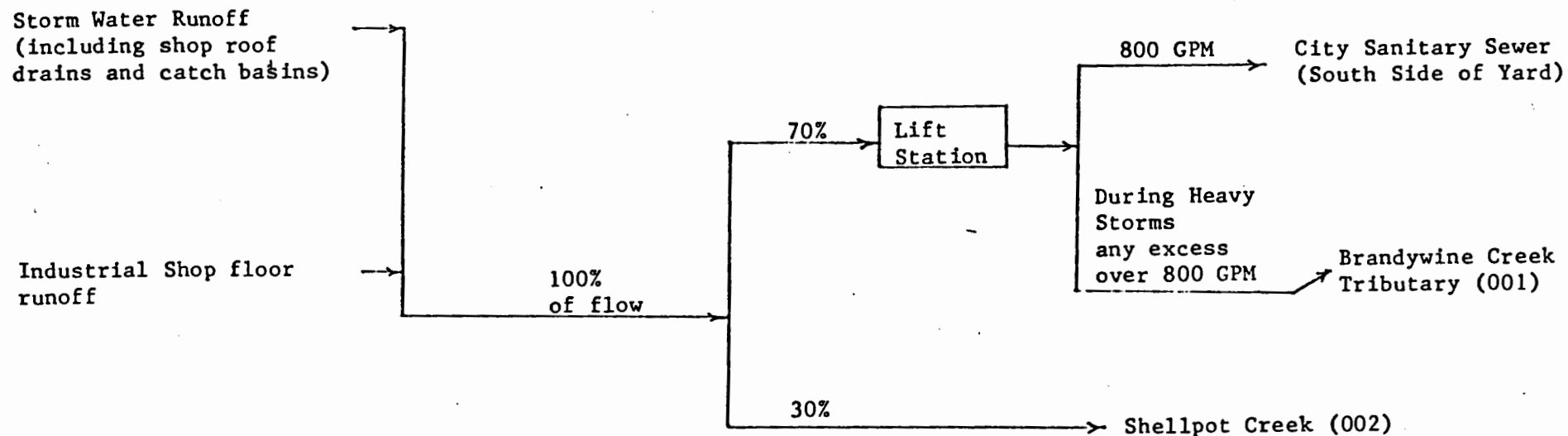
001 : Adjacent to Dam B in Brandywine Creek Tributary

002 : Last manhole of 30" storm sewer in Amtrak's maintenance yard

002A: Outfall of 42" storm sewer in Shellpot Creek (proposed)

SCHEMATIC OF WATER FLOW
(Amtrak Maintenance Facility)
Wilmington, Delaware

A. Existing



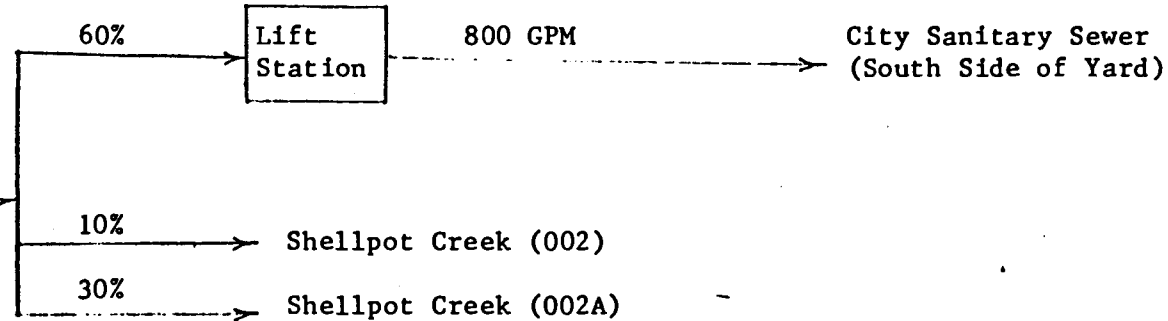
Sanitary Waste → LIFT STATION → CITY SANITARY SEWER

Note: Percentages are approximate

B. After Phase I
Completed

*Storm Water Runoff
(including shop roof
drains, catch basins,
1-parking lot runoff &
1-paved roadway runoff)

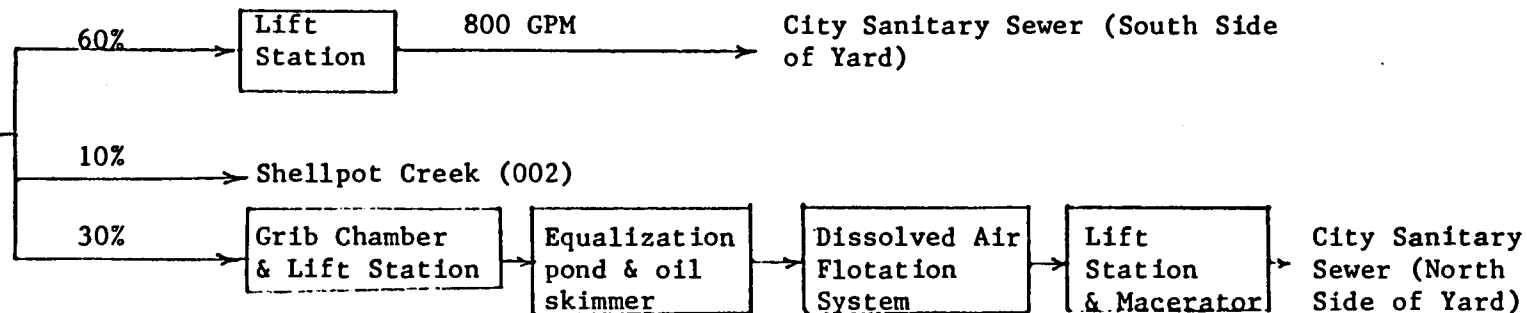
100% of Flow



*Note: Excluding one (1) new shop and three (3) rehabilitated shops roof drains - south side of yard.

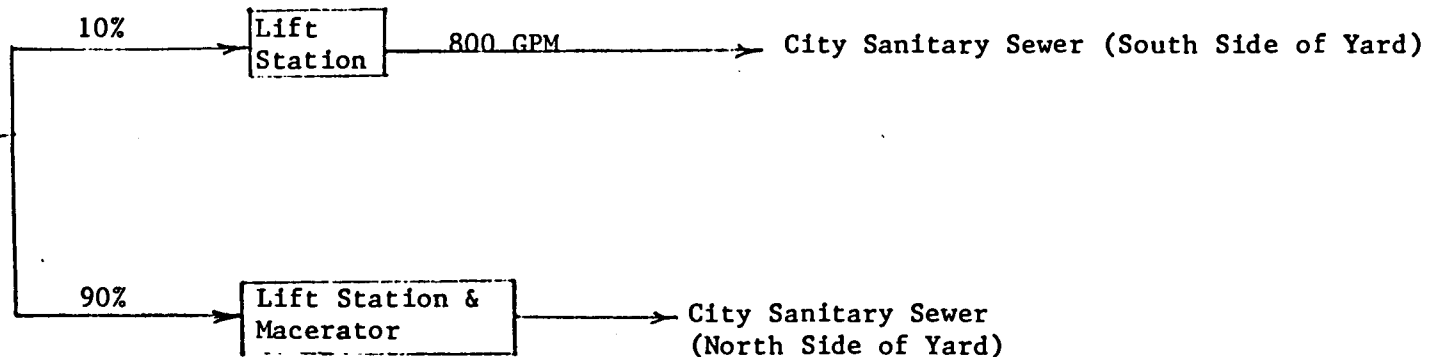
Industrial Shop Floor
Runoff

100% of Flow



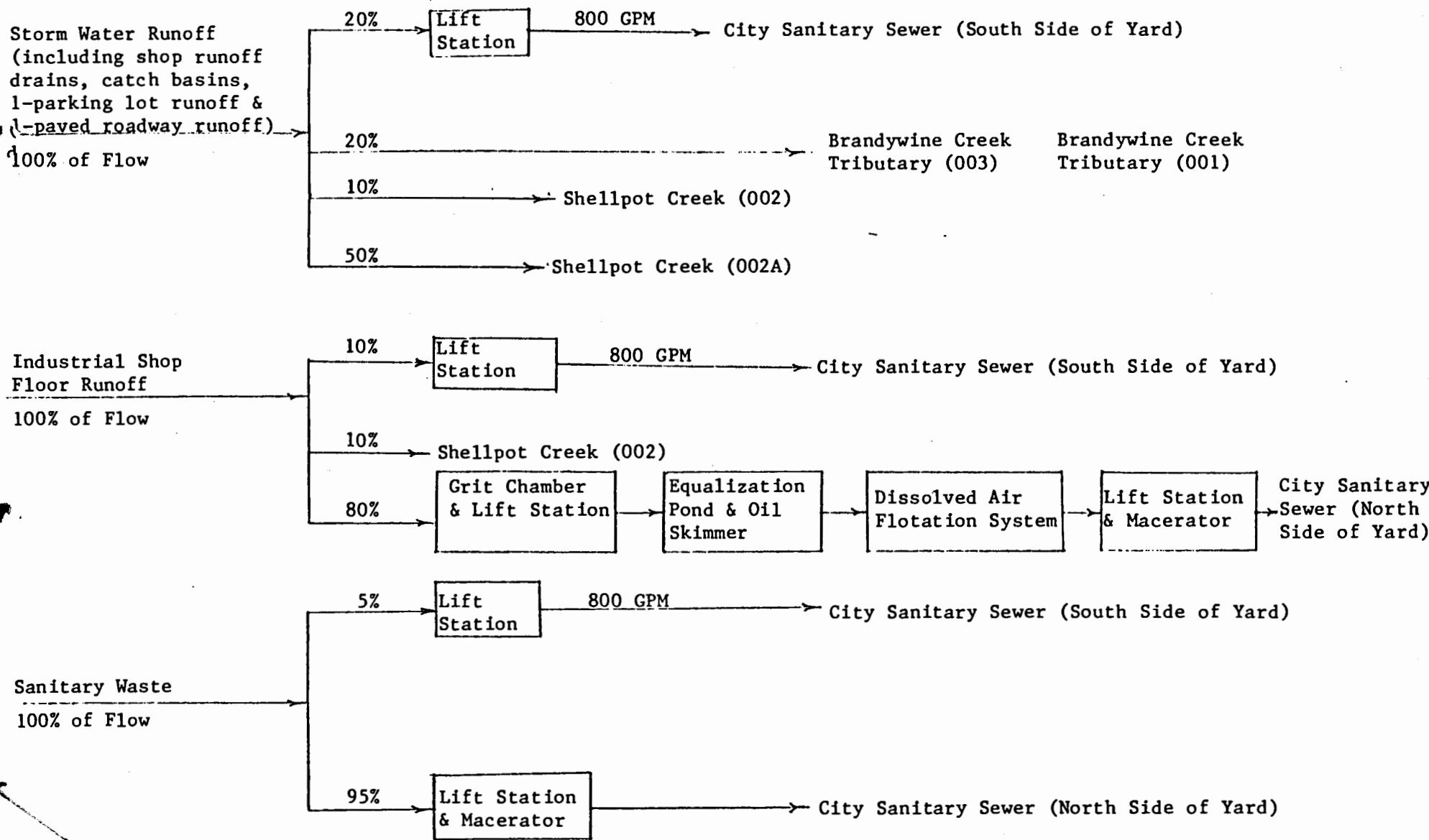
Sanitary Waste

100% of Flow



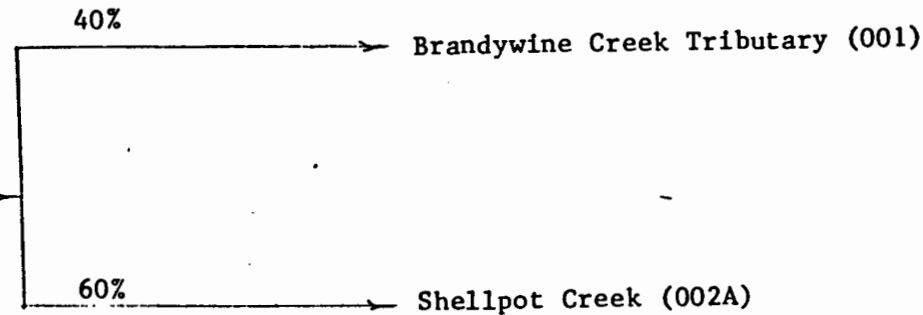
Percentages are approximate

3. After Phase II
 Completed (concurrent with Phase I)

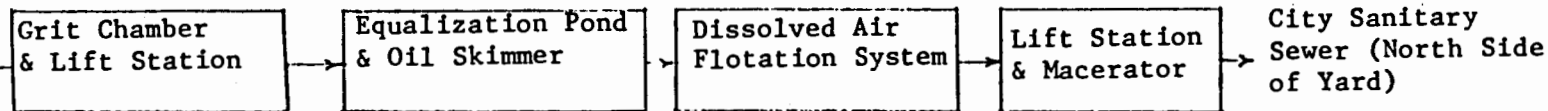


D. After Phase III
Completed

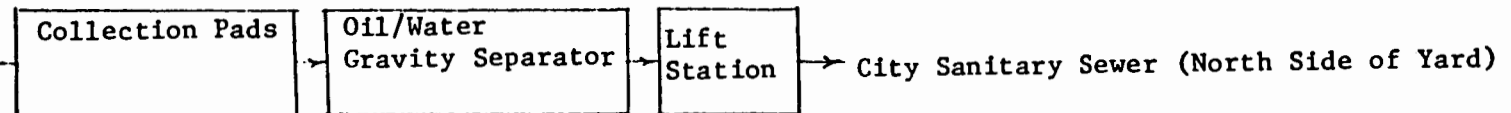
Storm Water Runoff
(including shop roof
drains, catch basins,
2-parking lots runoff
& 2-paved roadways runoff)
100% of Flow



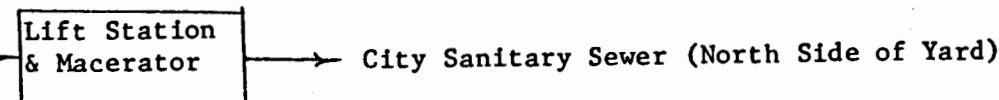
Industrial Shop Floor
Runoff
100% of Flow



Surface Runoff of
Engine Fueling Area
100% of Flow



Sanitary Waste
100% of Flow



Note: Percentages are approximate



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF AIR & WASTE MANAGEMENT

89 KINGS HIGHWAY

P.O. BOX 1401

DOVER, DELAWARE 19903

OFFICE OF THE
DIRECTOR

TELEPHONE: (302) 739 - 4764

January 8, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 309 727 619

NOTICE OF VIOLATION
91-HW-03

Mr. B.J. Tripoli
Plant Manager
National Railroad Passenger Corporation
Wilmington Maintenance Facility
4001 Vandever Avenue
Wilmington, DE 19802

GEN

Reference: DED060058062, File Code 09

Dear Mr. Tripoli:

The Department of Natural Resources and Environmental Control, Hazardous Waste Management Branch, completed a Hazardous Waste Compliance Evaluation Inspection at the Amtrak Wilmington Maintenance Facility on November 8, 1990. Based on this inspection, and in accordance with 7 Del. Code Section 6309, this Notice is to advise you that Amtrak is in violation of 7 Del. Code Chapter 63 and the Delaware Regulations Governing Hazardous Waste(DRGHW).

The violations include, but are not limited to the following:

- 1.) During the November 8 inspection a number of drums in the shipment staging area, located next to the battery house were improperly labeled. One drum of sludge was labeled non-hazardous, but labeled as ignitable. Two drums of Proceco sludge were labeled as hazardous product, rather than hazardous waste. One drum labeled Proceco had no other information on the label. Three drums had no labels at all. Because hazardous waste is accumulated in this area, the area is considered a hazardous waste accumulation area and therefore Section 262.34(a) and those Sections of Part 265 referenced by Section 262.34(a), apply to this area. Failure to comply with labeling requirements is a violation of 262.34 (a).
- 2.) The arrangement of drums in the shipment staging area did not allow for the reading of drum labels in an emergency. Failure to allow for visible inspection of labels is a violation of 262.34(a)(2).

- 3.) A telephone which is accessible 24 hours a day, an internal communication system, or an alarm system capable of providing immediate emergency instruction was not located near or at the shipment staging area. Failure to have a communication system is a violation of Section 265.32 (a) or (b).
- 4.) The fire control equipment near the shipment staging area (hose house number three) was locked to most employees. Failure to make fire control equipment always available to those who would carry out the contingency plan is a violation of Section 265.32(c).
- 5.) A "No Smoking" sign was not located at the shipment staging area. Failure to post this sign is a violation of Section 265.17(a).
- 6.) At the shipment staging area, a drum labeled waste caustic flakes had an accumulation start date of July 31, 1990. Section 262.34(a) requires that this drum be at Amtrak no longer than 90 days.
- 7.) A "No Smoking" sign was not located at the hazardous waste staging area, located near the blacksmith shop. Failure to post this sign is a violation of Section 265.17(a).
- 8.) During the November 8, 1990 inspection, Amtrak could not provide records for the training of Amtrak personnel in the management of ignitable, corrosive and other wastes considered hazardous under Part 261. Failure to provide this documentation is a violation of Section 265.16(d)(4) and (e).
- 9.) Amtrak uses its Spill Prevention, Control and Countermeasures (SPCC) plan as its hazardous waste contingency plan. In accordance with Section 265.52(b) if an owner operator has already prepared a SPCC plan, the owner operator must only amend the plan to incorporate hazardous waste management provisions required in Part 265, Subpart D. The State of Delaware Hazardous Waste Management Branch has reviewed Amtrak's SPCC plan and determined that Amtrak is in violation of the following requirements.
 - The General Manager's signature on the SPCC plan does not give the emergency coordinator the authority to utilize resources needed to carry out emergency procedures.
 - The Spill Prevention, Control and Countermeasures Plan does not include procedures to deal with fire caused by the ignitable hazardous wastes accumulated at the two hazardous waste accumulation areas. Failure to include these procedures is a violation of Section 265.52(a). In addition the plan does not list all fire equipment. Failure to include this list is a violation of Section 265.52(e).
 - The Spill Prevention, Control and Countermeasures Plan does not include procedures for notifying the State of Delaware Department of Natural Resources and Environmental Control, and the United States Environmental Protection Agency whenever there is an imminent or actual emergency situation. Failure to include these procedures is a violation of Sections 265.52(a)/265.56.

Upon receipt of this Notice, you must immediately comply with the above cited regulations and within thirty (30) days submit documentation to the Department demonstrating compliance. Submitted documentation is to include, but is not limited to:

- 1.) Information demonstrating that all drums in the shipment staging area have been properly labeled in accordance with Sections 262.34(a)(2) and (3).
- 2.) Information demonstrating that there is sufficient aisle space to allow for visible inspection of drum labels in accordance with Section 262.34(a)(2).
- 3.) Information demonstrating that a telephone or internal communication system which is accessible 24 hours a day has been installed in or near the shipment staging area in accordance with 265.32(a) or (b).
- 4.) Information demonstrating that fire control equipment, at or near the shipment staging area, is always available to those who would carry out the contingency plan during an emergency.
- 5.) Information demonstrating that a "No Smoking" sign has been installed at the shipment staging area and the hazardous waste staging area in accordance with Section 265.17(a).
- 6.) Written procedures that insure drums of hazardous wastes are not accumulated over 90 days.
- 7.) Information demonstrating that Amtrak has conducted training that includes the elements described in Sections 265.16(a)(2) and (3) for all Amtrak personnel who have the potential to handle hazardous waste under emergency or under normal operating situations. Attendance records and a description of training course contents shall also be submitted.
- 8.) An amended Spill Prevention, Control and Countermeasures Plan which includes hazardous waste management provisions in accordance with Part 265 Subpart D.

Please submit documentation demonstrating compliance within thirty (30) days to:

Alan H. Simpson
Department of Natural Resources and Environmental Control
Division of Air and Waste Management
Hazardous Waste Management Branch
89 Kings Highway
P.O. Box 1401
Dover, Delaware 19903


Notice Of Violation

Page 4

Failure to comply with these requirements may result in further enforcement action pursuant to 7 Del. Code, Section 6309.

If you have any questions regarding the content of this letter, please feel free to contact Alan Simpson of the Hazardous Waste Management Branch at 302/739-3689.

Sincerely,

A handwritten signature in cursive script, reading "Phillip G. Retallick".

Phillip G. Retallick
Director

PGR:AHS:mlk
AHS90098

cc: John M. Kinney
Nancy C. Marker
Alan H. Simpson
Bruce Cole
Fulton J. Williams, Jr.

Name of Facility: Amtrak - Wilmington Maintenance Facility
 Address: 4001 Vandever Avenue
Wilmington, DE 19802
 EPA Generator ID Number: DEDC60058062
 Date of Inspection: November 8, 1990
 Inspector: Alan Simpson
 Facility Inspection Representative: Fulton J. Williams, Jr.
 Title: Environmental Supervisor
 Telephone Number: (302) 429 6458

Review of DNREC Records

262.20(a); 262.44 & 262.40(a)

Large and small quantity generators must fill out a manifest to include the information required by the form shown in Appendix II for each shipment of hazardous waste. Item 12, container type, indicates whether the accumulation areas utilize containers and/or tanks. There are separate checklists for containers and tank accumulation areas.

I reviewed the manifests in the DNREC files going back thru 1984. Manifests have been filled out correctly. Missing manifests were submitted by Amtrak after the inspection, and then the total amounts of hazardous wastes shown on the 1989 manifests and the amounts shown on the 1984 annual report, checked out.

262.34(c), (a)

Do the manifests show the generator to be a large or a small quantity generator?

My compilation of the 1989 manifests in the DNREC file and Amtrak's 1989 annual report and 1989 Notification agree that the company is a
LARGE QUANTITY GENERATOR

262 Subparts E & F

Generators whose manifests or annual reports show they export or import hazardous waste must meet the requirements in Subpart E & F of 262.

Not applicable - This facility does no exporting or importing of hazardous waste - per manifest review back to 1984

262.42(b)

Large Quantity Generators must submit an exception report for any shipment not received by the designated TSD within 45 days of initial transport.

NA - shipments of hazardous wastes were received by the TSD within 2 weeks

262.41

Large Quantity Generators must submit an annual report by March 1 for the preceding calendar year. The report must include the information required by the form shown in 262 Appendix I.

An annual report for the calendar year 1989 was submitted and dated February 15, 1990. This annual report contained the required information.

NOTE: 262.44 & 262.40 exempt small quantity generators from annual reports and exception reporting.

HAZARDOUS WASTE CHECKLIST FOR INSPECTION OF LARGE QUANTITY GENERATORS

Large Quantity Generator On Site Record Review (continued)

Name of Generator: AMTRAK, Wagon Maintenance Facility
 Date of Inspection: November 8, 1990
 Inspector: Alan Simpson & Bruce Cole

On Site Record Review

TRAINING RECORDS

265.16(d)(1)

Generator must have a list of personnel names and job titles who handle hazardous waste.

There is no record of hazardous waste training.

265.16(c)

Those on the list must be trained annually.

There is no record of hazardous waste training.

265.16(e) and 265.16(d)(4)

Attendance and course contents records must be kept by the generator for 3 years.

There is no record of hazardous waste training.

265.16(a) and (b)

New personnel who handle hazardous waste must have initial training within 6 months of their starting.

There is no record of hazardous waste training.

CONTINGENCY PLAN

265.53(a)

Generator must have a copy of his contingency plan at his site.

Fulton Williams has a copy of Amtrak's May 29, 1984 "Spill Prevention Control and Countermeasure Plan". This plan also serves as Amtrak's hazardous waste contingency plan.

265.52

The contingency plan must contain the following:

- a., b. & f. A description of who does what during a health of environmental emergency caused by the accumulation area including evacuation plans if the type of waste make that necessary.
- c. Plans for coordinating with outside emergency response teams if the type of waste accumulated requires such coordination.
- d. The home and office phone numbers of inplant personnel involved in carrying out the plans.
- e. A list of emergency equipment utilized in the plans.

Amtrak shipped out waste flammables in 1984 & 1990. However Amtrak has not handled reactive type wastes or toxic gases. Therefore:

- a. the plan is lacking in who does what in an emergency for fire.
- b. the Spec plan has not been amended to comply with hazardous waste aspects.
- c. agencies & spill response contractors are listed on page 2 - no prearrangements are noted.
- d. OK. See page 7
- e. OK for spills but does not address flammables
- f. OK. no evacuation is necessary

265.55

The contingency plan must have an emergency coordinator on standby at all times who has the authority to commit the resources needed to carry out the contingency plan.

OSC are designated on page 7 but doubtful that he has been given authority for resources

265.56(c)

The emergency coordinator must be knowledgeable to assess possible results from a release.

OK Those on the list should be knowledgeable.

265.56 and 265.52(a)

The contingency plan must have a procedure for notifying DNREC and EPA.

There is no procedure for notifying

265.37

Information on the waste accumulation area and plant must be given to local police, fire departments and hospitals.

Considering the type of wastes, this is not necessary.

INSPECTION RECORDS

265.174 (for container accumulation)

Generator must have records of weekly inspections of the accumulation area.

Fulton Williams says he inspects the hazardous waste accumulation areas weekly, but has no records showing these inspections. The regulations do not require that records of the inspections be kept.

265.196(a) and (c) (for tank accumulation)

Generator must have records of daily inspections of the above ground portions of the tank system.

NA - hazardous wastes are not accumulated in tanks.

265(b) and (c) (for tank accumulation)

Generator must have records of less frequent inspections of cathodic protection system.

NA - hazardous wastes are not accumulated in tanks

RECORDKEEPING

262.40(a) and (b)

Generator must retain all his manifests and exception reports for 3 years.

Fulton Williams has his copies of the manifests going back thru 1985.

262.40(b)

Generator must retain all his annual reports for 3 years.

Fulton Williams has annual reports in his office for 1987, 1988, 1989.

262.40(c)

Generator must retain records of test results utilized to make a hazardous waste determination for 3 years.

There is no testing of Safety Klean material. Most testing is done on non-hazardous PCB contaminated oils. The few miscellaneous hazardous waste shipments which are analyzed, have their test results kept for 3 years.

Page 5 of the checklist is applicable only to tanks of haz waste. Amtrak has no such tanks and therefore page 5 has been omitted.

Accumulation Area Identification:

Outside hazardous waste staging area
(in back of the 10,000 gallon PCB contaminated oil tank and
near the blacksmith shop)

262.34(a)(3)

There must be on each container of hazardous waste a label with the words "Hazardous Waste".

There were no drums of hazardous waste in this area at the
time of our inspection

262.34(a)(2)

On each container must be an accumulation start date (per 262.34 (c)(2) the accumulation start date is the day the container is moved out of the generation area to the waste accumulation area).

NA -

262.34(a)

No container can remain on site for more than 90 days after its accumulation start date unless DNREC has granted a 262.34(b) extension.

NA -

265.35

The aisle space must allow unobstructed movement of personnel and emergency equipment.

There were drums of non-hazardous waste in the area at the
time of our inspection and there was sufficient aisle space.

265.17(a)

Ignitable wastes should not be close to sources of ignition.

There were no sources of ignition in the area

265.17(a)

There should be a no smoking sign near ignitable wastes.

There were no such signs in the area

265.32

The area must have the following if the type of waste accumulated has the potential to create an emergency:

265.34(a)

An internal communication system if the accumulation area is remote.

265.34(b)

A telephone to summons emergency response teams.

265.34(c)&(d)

Fire extinguishing equipment which is tested and maintained (265.33).

a) the area is not remote

b) There is a telephone in the nearby power house which is open 24 hours a day

c) & d) there is a small fire extinguisher in the power house.

265.171

Containers must be in good condition.

NA - there were no drums of hazardous waste

265.173(a)

Containers must be closed.

NA - there were no drums of hazardous waste

265.173(b) and 265.31

Containers must be stored and handled in a manner which will not cause the container to spill or leak or some other mishap.

There is no visual evidence of a mishap

LQG Observations at the Container Accumulation Area (continued)

Large Quantity Generator Observations at the Container Accumulation Area

Accumulation Area Identification:

Outside Shipment Staging Area

(next to the battery house and drums of incoming raw materials)

264.177(a)

Container labels should indicate no incompatible wastes have been placed in the same container.

NA - there were no drums of hazardous wastes

262.34(a)(3)

There must be on each container of hazardous waste a label with the words "Hazardous Waste".

(see addendum to page 6)

265.177(c)

Incompatible wastes must be separated by a dike, berm, wall or other device.

NA - there were no drums of hazardous wastes

262.34(a)(2)

On each container must be an accumulation start date (per 262.34 (c)(2) the accumulation start date is the day the container is moved out of the generation area to the waste accumulation area).

(see addendum to page 6)

265.172

Hazardous wastes must be compatible with their containers.

NA - there were no drums of hazardous wastes

262.34(a)

No container can remain on site for more than 90 days after its accumulation start date unless DNREC has granted a 262.34(b) extension.

A drum labeled waste caustic flakes had an accumulation start date of 7/31/90

265.177(b)

Hazardous waste must not be placed in containers previously holding incompatible materials unless the containers were cleaned.

NA - there were no drums of hazardous wastes

265.35

The aisle space must allow unobstructed movement of personnel and emergency equipment.

Labels were not always facing outward and drums had to be turned to read them. However there was sufficient aisle space to handle an emergency.

265.176

Ignitable or reactive hazardous wastes must be accumulated at least 50 feet from the property line.

The area is very far from the property line

265.17(a)

Ignitable wastes should not be close to sources of ignition.

There were no sources of ignition in the area

~~ADD~~ Addendum to page 6

There is a problem with drum inventory and labeling in this area where non-hazardous wastes and incoming raw materials are also stored.

- Three drums ~~labeled~~ labeled Proceco were labeled corrosive but labeled non-hazardous.
- ~~Three~~ Three drums had no labels at all. Two were thought to be Proceco wastes and ~~one~~ one was thought to be a drum of ignitable linseed oil rags.
- One drum ~~labeled~~ labeled sludge heavy grease and rags was also labeled non-hazardous but labeled as ignitable. It had a 2/6/90 accumulation start date.
- Two drums labeled Proceco sludge was labeled hazardous product but not hazardous waste.
- One drum labeled Proceco had no other information on the label.

265.17(a)

There should be a no smoking sign near ignitable wastes.

There were no such signs in the area.

265.32

The area must have the following if the type of waste accumulated has the potential to create an emergency:

265.34(a)

An internal communication system if the accumulation area is remote.

265.34(b)

A telephone to summons emergency response teams.

265.34(c)&(d)

Fire extinguishing equipment which is tested and maintained (265.33).

a) the area is remote from 24 hour manned areas

b) there is no telephone with 24 hour a day access

265.171

Containers must be in good condition.

OK

265.173(a)

Containers must be closed.

OK

265.173(b) and 265.31

Containers must be stored and handled in a manner which will not cause the container to spill or leak or some other mishap.

There is no visual evidence of a mishap.

LQG Observations at the Container Accumulation Area (continued)

264.177(a)

Container labels should indicate no incompatible wastes have been placed in the same container.

There were no such indications

265.177(c)

Incompatible wastes must be separated by a dike, berm, wall or other device.

The generator does not generate incompatible hazardous wastes

265.172

Hazardous wastes must be compatible with their containers.

There were no wastes not compatible with their containers

265.177(b)

Hazardous waste must not be placed in containers previously holding incompatible materials unless the containers were cleaned.

There were no indications of this

265.176

Ignitable or reactive hazardous wastes must be accumulated at least 50 feet from the property line.

The property line appears to be over 50 feet but less than 100 feet. A railroad track used for Amtrak passenger trains is about 100 feet from the area

Small or Large Quantity Generators Observations at the Satellite Area

Satellite Area Identification (process generating the waste; satellite area location):

Three Safety Kleen spray gun cleaning stations

262.34(c)(1)

The satellite area must be near the process which generates the hazardous waste.

The satellite areas for accumulating the wastes are right next to the spray gun cleaning stations

262.34(c)(1)

Each satellite area is limited to 55 gallons of hazardous waste (one quart of P listed wastes).

A single drum less than 55 gallons is used to accumulate wastes at each of the cleaning stations

265.171

Containers must be in good condition.

Containers are in good condition

265.173(a)

Containers must be closed.

Containers are closed.

265.172

Hazardous wastes must be compatible with their containers.

Solvent type wastes are in steel drums

262.34(c)(1)(ii)

The containers of hazardous waste must be labeled as hazardous waste or their contents identified.

The contents of the drums is identified.



FILE COPY

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF AIR & WASTE MANAGEMENT

89 KINGS HIGHWAY

P.O. BOX 1401

DOVER, DELAWARE 19903

OFFICE OF THE
DIRECTOR

TELEPHONE: (302) 739 - 4764

January 8, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 309 727 619

NOTICE OF VIOLATION
91-HW-03

Mr. B.J. Tripoli
Plant Manager
National Railroad Passenger Corporation
Wilmington Maintenance Facility ←
4001 Vandever Avenue
Wilmington, DE 19802

GEN

Reference: DED060058062, File Code 09

Dear Mr. Tripoli:

The Department of Natural Resources and Environmental Control, Hazardous Waste Management Branch, completed a Hazardous Waste Compliance Evaluation Inspection at the Amtrak Wilmington Maintenance Facility on November 8, 1990. Based on this inspection, and in accordance with 7 Del. Code Section 6309, this Notice is to advise you that Amtrak is in violation of 7 Del. Code Chapter 63 and the Delaware Regulations Governing Hazardous Waste(DRGHW).

The violations include, but are not limited to the following:

- 1.) During the November 8 inspection a number of drums in the shipment staging area, located next to the battery house were improperly labeled. One drum of sludge was labeled non-hazardous, but labeled as ignitable. Two drums of Proceco sludge were labeled as hazardous product, rather than hazardous waste. One drum labeled Proceco had no other information on the label. Three drums had no labels at all. Because hazardous waste is accumulated in this area, the area is considered a hazardous waste accumulation area and therefore Section 262.34(a) and those Sections of Part 265 referenced by Section 262.34(a), apply to this area. Failure to comply with labeling requirements is a violation of 262.34 (a).
- 2.) The arrangement of drums in the shipment staging area did not allow for the reading of drum labels in an emergency. Failure to allow for visible inspection of labels is a violation of 262.34(a)(2).

Upon receipt of this Notice, you must immediately comply with the above cited regulations and within thirty (30) days submit documentation to the Department demonstrating compliance. Submitted documentation is to include, but is not limited to:

- 1.) Information demonstrating that all drums in the shipment staging area have been properly labeled in accordance with Sections 262.34(a)(2) and (3).
- 2.) Information demonstrating that there is sufficient aisle space to allow for visible inspection of drum labels in accordance with Section 262.34(a)(2).
- 3.) Information demonstrating that a telephone or internal communication system which is accessible 24 hours a day has been installed in or near the shipment staging area in accordance with 265.32(a) or (b).
- 4.) Information demonstrating that fire control equipment, at or near the shipment staging area, is always available to those who would carry out the contingency plan during an emergency.
- 5.) Information demonstrating that a "No Smoking" sign has been installed at the shipment staging area and the hazardous waste staging area in accordance with Section 265.17(a).
- 6.) Written procedures that insure drums of hazardous wastes are not accumulated over 90 days.
- 7.) Information demonstrating that Amtrak has conducted training that includes the elements described in Sections 265.16(a)(2) and (3) for all Amtrak personnel who have the potential to handle hazardous waste under emergency or under normal operating situations. Attendance records and a description of training course contents shall also be submitted.
- 8.) An amended Spill Prevention, Control and Countermeasures Plan which includes hazardous waste management provisions in accordance with Part 265 Subpart D.

Please submit documentation demonstrating compliance within thirty (30) days to:

Alan H. Simpson
Department of Natural Resources and Environmental Control
Division of Air and Waste Management
Hazardous Waste Management Branch
89 Kings Highway
P.O. Box 1401
Dover, Delaware 19903

```

*****
*                               RCRIS: Notification View Screen 2 of 6                               *
*****
*EPA Id: DED060058062      Other Id:                               Merge Send: Y                               *
*Date Received(MMDDYY):   081880      Source( N/E/S ):  N Non-Notifier Flag:                               *
*Date Acknowledged (MMDDYYYY):                               Send Acknowledgement:                               *
*Name of Installation:  WILMINGTON MAINTENANCE FACILITY                               *
*                               Installation Location Address                               *
*Streets:  FOOT OF VANDEVER AVE                               *
*City:      WILMINGTON                               State:  DE      Zip:      19801                               *
*County Code:  003      County Name:  NEW CASTLE                               *
*                               Installation Mailing Address                               *
*Streets:  400 N CAPITOL ST NW                               *
*City:      WASHINGTON                               State:  DC      Zip:      20001                               *
*                               Contact Information                               *
*   Last Name      First Name      Title      Phone      Address(M,L,O) *
* NOONAN      ROBERT T      SENIOR DIR ENV      2023833000      L                               *
*Streets:  FOOT OF VANDEVER AVE                               *
*City:      WILMINGTON                               State:  DE      Zip:      19801                               *
*Land Type:                               *
*****
* Enter-Continue      F1-Previous Screen      F3-Exit                               *
*****

```

```
* HW Generator          1          R                                     *
* HW TSD                                                         *
* HW Transporter                                               *
*   Mode of                                                         *
*   Transportation:  Air          Rail      Highway      Water      *
*                   Other                                                         *
* HW Burner/Blender                                           *
* NHW Used Oil Recycler                                         *
*                                                         *
* Underground Injection Control:                               *
* Recycler:                                                     *
*                                                         *
*****
* Enter-Continue          F1-Previous Screen      F3-Exit          F8-Help      *
*****

*****
*                               RCRIS: Notification View Screen 5 of 6                               *
*****
*   EPA Id:  DED060058062   Other Id:                               Source:  N   *
*                                                         *
*   Hazardous Waste Codes:  Specific/Non-Specific/Commercial/Chemical      *
*                           D000      D007      F001                               *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*                                                         *
*****
*Enter-Continue          F1-Previous Screen      F3-Exit          *
*F8-Help                F9-First                F10-Next         *
*****
```

FINDS CHANGE/DELETE FORM

Requestor's name Helen Mc Anally Date 4-6-94
 System RCRIS Phone Number 6566

Type of Action: CHANGE ☒ DELETE ☐

 Data as it appears in FINDS:

EPA ID NUMBER: DED060058062 SOURCE ID # 01 (RCRIS)
 NAME OF FACILITY: WILMINGTON MAINTENANCE FACILITY
 FACILITY LOCATION: Street: FOOT OF VANDEVER AVE.
 City: WILMINGTON
 State: DE ZIP 19801
 County name: _____
 County code: _____
 Latitude _____ Longitude _____

 Information to be updated:

SOURCE ID NUMBER: 01 (RCRIS)
 NAME OF FACILITY: _____
 FACILITY LOCATION: Street: 4001 VANDEVER AVE
 City: WILMINGTON
 State: DE ZIP 19802
 County name: _____
 County code: _____
 Latitude _____ Longitude _____

Other Systems Regulating this Facility to be Notified of Change:

RCRA _____	NPDES _____	STATE _____	SUPERFUND _____
TSCA _____	CDS _____	FATES _____	DOCKET _____



**ACKNOWLEDGEMENT OF NOTIFICATION
OF REGULATED WASTE ACTIVITY
(VERIFICATION)**

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

+
DED060058062

INSTALLATION ADDRESS

WILMINGTON MAINTENANCE FACILITY
4001 VANDEVER AVE
WILMINGTON, DE 19802
ROBERT DUNCAN MGR

4001 VANDEVER AVE
WILMINGTON, DE 19802

Please refer to the Instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☒ A. First Notification ☐ B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number

D E D 0 6 0 0 5 8 0 6 2

II. Name of Installation (Include company and specific site name)

W I L M I N G T O N - M A I N T E N A N C E F A C I L I T Y

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

4 0 0 1 V A N D E V E R A V E .

Street (continued)

City or Town

W I L M I N G T O N

State

ZIP Code

D E

1 9 8 0 2 -

County Code

County Name

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

A 0 0 1 V A N D E V E R A V E

City or Town

W I L M I N G T O N

State

ZIP Code

D E

1 9 8 0 2 -

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

D U N C A N

(first)

R o b e r t

Job Title

M A N A G E R

Phone Number (area code and number)

3 0 2 - 4 2 9 - 6 3 9 7

VI. Installation Contact Address (See Instructions)

A. Contact Address Location Mailing

☒

B. Street or P.O. Box

City or Town

State

ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

B O A R D O F D I R E C T O R S

GENERAL STATE SECTION

Street, P.O. Box, or Route Number

6 0 M A S S A C H U S E T T S A V E

EPA R3

City or Town

W A S H I N G T O N

State

ZIP Code

D C

2 0 0 0 2 -

Phone Number (area code and number)

2 0 2 - 9 0 6 - 3 9 6 0

Land Type

P

Owner Type

P

D. Change of Owner Indicator

No

X

(Date Changed) Month Day Year

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

Re: Notification of Hazardous Waste Activity:

Dear Hazardous Waste Handler:

The U.S. Environmental Protection Agency (EPA) has received your notification form, which you filed pursuant to Section 3010 of the Resource Conservation and Recovery Act, as amended.

We have reviewed the form and are returning it to you for clarification or missing information as indicated below:

- ☐ Location address inappropriate; complete street address required.
- ☒ Required items which are missing are circled in red.
- ☐ Signature/date missing.
- ☐ The form was illegible. A new form is enclosed.

Please return the complete form together with this letter to the address indicated in the letterhead no later than _____.

EPA will consider you as having not notified and in violation of Section 3010 of the Act if you do not complete and return this form by the date indicated.

If you have any questions pertaining to the Notification Form call (215) 597-3884.

Sincerely,



Harriet Morrell for Pat Gaughan
Environmental Protection Assistant
General Permits Section (3HW52)

Enclosure

MEMORANDUM
OF CALL

Previous editions usable

TO:

John

☒ YOU WERE CALLED BY-

☐ YOU WERE VISITED BY-

Charles Zing

OF (Organization)

Asstrak

☒ PLEASE PHONE ►

☐ FTS

☐ AUTOVON

202-383-2599

☐ WILL CALL AGAIN

☐ IS WAITING TO SEE YOU

☒ RETURNED YOUR CALL

☐ WISHES AN APPOINTMENT

MESSAGE

*contact
Vallandigham
Defense Personnel
Support Center
see Panelbauer
re: NSPCC*

RECEIVED BY

Chaz

DATE

8/17

TIME

1:15

63-110 NSN 7540-00-634-4018
★U.S.GPO:1986-0-491-247/20042

STANDARD FORM 63 (Rev. 8-81)
Prescribed by GSA
FPMR (41 CFR) 101-11.6

*Field Citations Proposal
Trip report
Nobels*



July 26, 1988

Mr. John Nevius (3HW15)
U. S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

Dear Mr. Nevius:

This is in response to EPA's request of June 3, 1988 regarding the status of Amtrak's maintenance facility in Wilmington, Delaware, as a generator, treater, or disposer of hazardous waste.

In addition to the information we submitted to your office on February 16, 1988, the following data is forwarded:

Since 1985, Amtrak has generated and disposed of three different types of solid wastes from the Wilmington Facility.

1. Ignition tubes - One hundred and eleven (111) tubes containing mercury were disposed between February and April of 1986. The hazardous mercury was reclaimed and the tubes themselves were landfilled.
2. Crushed drums - One thousand and eight (1008) drums were crushed and disposed by CECOS in Niagara Falls, New York, and Metro Container in Trainer, PA.

The waste oil drained from these drums was stored in two waste oil storage tanks in the facility (LS#Z and LS#10) and reclaimed by Petrocon in Valley Forge, PA and Petroleum Recycling, Inc., in Clayton, N. J.

3. Battery Car- - Amtrak has no record indicating the
casses number of carcasses disposed of in the
past. Generally, the batteries were
sealed to ensure no electrolytes would
leak from the casings, then banded to
pallets and reclaimed by Sab-Nife in
Greenville, N. C.

In reference to onsite treatment units, Amtrak has a 250 gpm
wastewater treatment system, Dissolved Air Flotation, at the
facility. It uses oil skimmers, acid, alkaline, alum,
polyelectrolyte and air to separate non-hazardous oil (free and
emulsified) and sludge prior to discharge of the wastewater into
the city sanitary sewer.

I hope the above information fulfills EPA's requirements on
the hazardous waste matter. Should you have any further
questions, please contact me at (202) 383-2599 in Washington,
D.C.

Very truly yours,

CC Lin
For

Charles C. Lin
Manager - Environmental Control

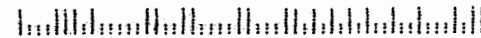
*partially...
...
6 months - part - study (2000-2002)*

C. C. Lin

National Railroad Passenger Corporation
400 North Capitol Street, N.W.
Washington, DC 20001



Mr. John Nevius (3HW15)
U. S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III

841 Chestnut Building
Philadelphia, Pennsylvania 19107

JUN 3 1988

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. T. W. Brzozowski
Director Environmental Control
National Passenger Corporation - AMTRAK
400 North Capitol Street, N.W.
Washington, DC 20001

Re: The Wilmington Maintenance Facility

Dear Mr. Brzozowski:

Region III of the United States Environmental Protection Agency (EPA) has conducted a review of our Resource Conservation and Recovery Act (RCRA) and National Pollutant Discharge Elimination System (NPDES) files for the above-referenced facility located in the State of Delaware. As a result of this review, EPA has concluded that some additional information is required to determine the status of this facility as a generator, treater, storer, or disposer of hazardous waste.

Pursuant to the provisions of RCRA, 42 U.S.C. §§ 6901 et seq, the Administrator of the EPA authorized the State of Delaware on June 22, 1984 to carry out portions of a hazardous waste program. The Delaware regulations, 7 Delaware Code Chapter 63, through this authorization became requirements of the EPA program of Subtitle C of RCRA.

In order to determine the status of the above-referenced facility, we hereby request, pursuant to Section 3007 of RCRA, 42 U.S.C. § 6927, that you furnish to EPA, within 14 calendar days of receipt of this letter, the following information:

1. Identify all solid wastes generated by the above-referenced facility since November 19, 1980.
2. Provide copies of the hazardous waste determinations made concerning the solid wastes, described in response to paragraph 1, as required by 40 C.F.R. § 262.11 and the equivalent State of Delaware regulation § 262.11. Provide a description of the hazardous waste determinations made for those solid wastes for which copies are not available.

3. Describe the methods of onsite and offsite treatment, storage and disposal for each solid waste identified in response to paragraph 1. For all onsite treatment units (including, but not limited to the facility with NPDES permit number DE0050962) provide a name and brief description, including construction design, materials used in construction and dimensions.

If some or all of the above requested information has been previously submitted to this office, please reference this information in your reply.

Failure to provide information requested pursuant to Section 3007 of RCRA constitutes a violation of RCRA. Section 3008 of RCRA, 42 U.S.C. § 6928, provides EPA with the authority to apply administrative, civil, and criminal sanctions for violations of RCRA.

You are entitled to assert a claim of business confidentiality covering any part of the submitted information, in the manner described in 40 C.F.R. § 2.203(b). Information subject to a claim of business confidentiality will be made available to the public only in accordance with 40 C.F.R. Part 2, Subpart B. Unless a business confidentiality claim is asserted at the time the requested information is submitted, EPA may make this information available to the public without further notice to you.


This collection of information request is not subject to review by the Office of Management and Budget pursuant to the Paperwork Reduction Act, 44 U.S.C. §§ 3501-3520.

Please send the requested information to:

U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107
Attn: John Nevius (3HW15)

If you have any questions concerning this matter, please contact Mr. John Nevius at (215) 597-2381.

Sincerely,


Bruce P. Smith, Chief
Hazardous Waste Enforcement Branch

cc: Paul Jones, Delaware Department of Natural
Resources & Environmental Control



February 16, 1988

Ms. Tracy Self
U. S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

Dear Ms. Self:

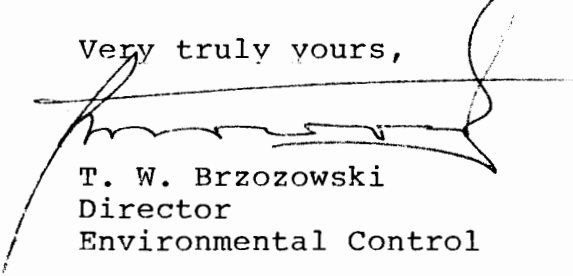
Per EPA's recent request regarding the status of Amtrak's Wilmington Maintenance Facility on handling hazardous waste, the following information is provided.

1. Amtrak only generates and stores hazardous waste at its facilities and disposes of them by scavengers within 90 days from the day they were placed in storage. Once the solvents and/or cleaners are used, they will be placed in 55-gallon drums for storage prior to disposal.
2. During the past 12 months, we had disposed of fifty(50) drums of trichloroethylene and eight(8) drums of ignitable waste from the Locomotive Shop and the Battery House of the Wilmington facility, respectively. On the average, this facility generates approximately five(5) drums of hazardous waste per month.
3. Copies of sampling analysis of waste sludge and liquids at the facility are attached as follows:
 - Attachment #1 - composite analysis of paint thinner, varnish, lubricant, detergent and oil in drums
 - Attachment #2 - composite analysis of oil in two(2) waste oil storage tanks (LS-2 and LS-10)
 - Attachment #3 - Grab analysis of sludge, oil and water in the industrial waste water treatment system
 - Attachment #4 - composite analysis of effluent in the waste water treatment system.
 - Attachment #5 - composite analysis of stormwater discharged from the facility into the Shellpot Creek and the Brandywine Creek Tributary.

Ms. Tracy Self
Page 2

Should you require any additional information or details of the data furnished, please call Mr. Charles Lin at (202) 383-2599.

Very truly yours,



T. W. Brzozowski
Director
Environmental Control

Attachments

ATTACHMENT #1

***** PRE/SHIP ANALYSIS - C O M P L E T E D *****
 ***** ENVIROSYSTEMS *****
 ***** WASTE FOR RECYCLING *****

LAB NUMBER-----> 015677 SK-SAMPLE-NO.-----> 14271 SK-CUST-NO----->

CUST NAME-----> AMTRAK
 ADDRESS-----> FOOT OF VANDEVER AVE
 CITY/STATE/ZIP--> WILMINGTON DE 19801 DATE RECEIVED 09/11/87
 CUST PHONE-----> / - DATE ANALYZED 10/05/87
 CUST CONTACT-----> FULTON WILLIAMS
 USEPA ID NO----->
 STATE EPA NO----->
 GREEN SHEET ?---->
 NATURE OF BUSI--->
 OPER GENERATING-->
 WASTE NAME-----> WASTE PAINT THINNER
 SAMPLE SIZE----->
 GALLONS/PER-----> 250 / QUARTER
 DRUMS SAMPLED--->
 GALLONS ON HAND-->
 STREAM-----> DRUM
 HAZARDDUS ?-----> YES -
 SUBMITTED BY-----> JIM J RYAN

0006 ON 09/11/87 1122

----- S A M P L E D A T A (Composite Analysis) -----

*GENERAL COMPOSITION: %
 FREE WATER-----> .0
 BOTTOM-SED-----> .0
 FEEDSTOCK-----> 100.0
 *FEEDSTOCK COMPOSITION: %
 BOTTOMS-OIL-----> .0
 BOTTOM-NO-OIL--> 12.0
 WATER EMUL-----> 3.0
 SOLVENT PHASE--> 85.0
 *SOLVENT PHASE COMP:
 MECL2-----> .1
 FREON-----> .0
 1,1,1-----> .0
 TRI-----> .0
 INHIBITORS-----> .0
 TOLUENE-----> 44.3
 PERC-----> .1
 XYLENE-----> 4.8
 M.S.-----> 17.3
 H H C-----> .0
 ALCOHOLS-----> .9
 KETONES-----> 25.4
 ESTERS-----> .0
 LAHC-----> .0
 OTHER-----> 7.1
 OTHER-----> .0

FUELS DATA:

ASH 0.06/CHLDRINE 2.57/BTU'S 17610

OTHER COMPONENTS:

PCB'S <50 PPM

SOLVENT DATA:

MEOH .4/ETOH .5/ACETONE 14.9/MEK 1.4/1-BUTANOL .3/MIBK
 9.1/N-METHPYRROL .2/1-PENTANOL .6/BUTYL ACETATE 1.1/C6-
 CB ALIPHATICS 4.9

* TESTS:
 * API & SPG @ 60F---> 0.0 .844
 * FLASH POINT-----> 070
 * VISCOSITY-----> 5CP
 * STILL BOTTOMS @ 60 -->
 * ACID ACCEPTANCE-----> .000
 * ODOR OF DISTILLATE-->
 * PH - FEEDSTOCK-----> 6.0
 * PH - DISTILLATE-----> 0.0
 * R/C FACILITY = SK NEWCAST
 * LAB ACCEP-
 * CHEMICAL FUEL/FLPT <70/BLACK LIQUID
 *
 * CHEMIST = MS 10/05/87 S/C = 30

***** SPECIAL PROCESSING INSTRUCTIONS **

OK FOR FUEL. JWH 10-8

* DATE REVIEWED 10/09/87
 * REVIEWED BY LWG
 * PROCESS CODE
 * ANALYSIS TYPE X

 ***** - A C C E P T - *****



Rollins

June 24, 1987

AMTRACK
Operations & Maintenance Dept.
Maintenance - East
Wilmington, DE 19801

ATTENTION: P. W. Humphreys

RE: Certificate of Analysis - Test Report RES 861 (Composite analysis of Varnish)

The lab at RES (NJ) Inc. received a sample for metals analysis. The sample was identified as Waste Varnish.

The results of the analysis are as follows:

<u>Parameter</u>	<u>Result</u>
Arsenic	< 1.5
Beryllium	< 0.3
Cadmium	< 0.3
Chromium	0.7
Copper	6.0
Lead	1.5
Mercury	< 3.0
Molybdenum	< 0.5
Nickel	1.8
Zinc	6.0

All results are expressed as mg/kg unless otherwise stated.

If you have any questions concerning this analysis, please do not hesitate to contact us.

Sincerely,

Michael R. Gregor
Project Chemist

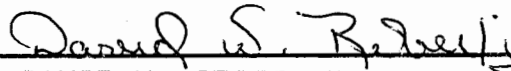
MRG/hmj

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT NO.: C44.21651.7
DATE: 08/04/87
SAMPLE NOS: C44-16B-111
RECEIVED: 06/17/87
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801

DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION: DATE: TIME:

111 = CRATER COMPOUND LUBRICANT 06/17 NOT GIVEN

CVI TEST

ANALYSIS:

(Composite Analysis of Lubricant)
UNITS:

BY:

DATE:

RESULTS

ARSENIC	mg/l	JR	07/06	< 0.05
SELENIUM	mg/l	JR	07/06	< 0.05
MERCURY	mg/l	JR	07/06	< 0.005
BARIUM	mg/l	JR	07/06	< 0.2
CADMIUM	mg/l	JR	07/06	< 0.01
CHROMIUM	mg/l	JR	07/06	< 0.05
SILVER	mg/l	JR	07/06	< 0.02
LEAD	mg/l	JR	07/06	< 0.1
IGNITABILITY	degrees C	NR	08/04	NOT IGNITABLE
REACTIVITY				NOT REACTIVE
Cyanide	mg/l	DH	07/02	< 0.5
Sulfide	mg/l	JR	07/02	< 0.05
CORROSIVITY	ph units	JR	06/19	5.4
ASH CONTENT	mg/kg	JM	07/14	18.8

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

C COOPERATIVE
V VENTURES
I INC.

(302) 731-1550
(215) 258-2911

ANALYTICAL REPORT NO. C44.00950.7

DATE 1/9/87

AUTHORIZATION LAP-0177

LOG DATES 364 (108)

TO:

Mr. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

*COMPOSITE ANALYSIS OF ALKALINE
CLEANING DETERGENT MADE BY PROCECO*

SAMPLE IDENTIFICATION

PROCECO SLUDGE

SAMPLE DATE

12/19/86

SAMPLE TIME

Not Given

ANALYSIS

UNITS

COMPLETED
BY DATE

RESULTS

PCB IN SLUDGE

PPM

DR 1/9

<1

David W. Reber
David W. Reber, Technical Director

Petrocon

An environmentally conscious company recovering a reusable resource through petroleum conservation

Corporate address
Post Office Box 547
Valley Forge PA 19481
(215) 666-6868

Refinery and Terminal
Union Street
Morgantown PA 15058
(215) 383-5262

Terminal
1700 Loretta Avenue
Easterville PA 19047
(215) 357-1838

Terminal
314 Fourth St. Bldg #8
Pittsburgh PA 15238
(412) 823-6040

PETROCON LABORATORY REPORT

*Composite Analysis of
Petrocon's Tank Truck Loaded
With Waste Oil From Drums*

Production Date: _____

Consignee _____

Analysis Date: 1/5/87

Shipped By _____

Shipment Date: _____

Product _____

Constituent

Level Tested

Limit

- a Arsenic
- b Cadmium
- c Chromium
- d Lead
- e PCB
- f TX
- g BS&W
- h Flash Point

2.0 ppm
Ø
0.3 ppm
40.0 ppm
< 5 ppm
115.0
< 1%
> 200°F.

< 5ppm
< 2ppm
< 10ppm
< 100ppm
< 10ppm
< 1000ppm
< 2%
> 140°F.

Notes:

Petrocon

An environmentally conscious company recovering a reusable resource through petroleum conservation

Corporate address
Post Office Box 547
Valley Forge PA 19481
(215) 666-6868

Refinery and Terminal
Union Street
Moenks PA 19358
(215) 383-5262

Terminal
1700 Loretta Avenue
Easterville PA 18047
(215) 327-1839

Terminal
314 Fourth St. Bldg #6
Pittsburgh PA 15236
(412) 823-6040

PETROCON LABORATORY REPORT (Composite Analysis of Petrocon's

Tank Truck Loaded with Waste O.L.
From Drums)

Production Date: _____

Consignee _____

Analysis Date: 12/31/86

Shipped By _____

Shipment Date: _____

Product _____

Constituent

Level Tested

Limit

a Arsenic

4.0 ppm

<5ppm

b Cadmium

Ø ppm

<2ppm

c Chromium

0.2 ppm

<10ppm

d Lead

60.0 ppm

<100ppm

e PCB

< 5 ppm

<10ppm

f TX

365-555.6 ppm

<1000ppm

g BS&W

<1%

<2%

h Flash Point

>200°F.

>140°F.

Notes:

2 samples 40755 & 40753

Petrocon

An environmentally conscious company recovering a reusable resource through petroleum conservation

Corporate address
Post Office Box 547
Valley Forge PA 19481
(215) 666-6868

Refinery and Terminal
Union Street
Mudens PA 19358
(215) 383-5262

Terminal
1700 Loretta Avenue
Eastspring PA 19047
(215) 357-1838

Terminal
314 Fourth St. Bldg 86
Pittsburgh PA 15238
(412) 823-8040

PETROCON LABORATORY REPORT (Composite Analysis of Petrocon's

Tank Truck Loaded with Waste Oil

Production Date:

Consignee

From Drums

Analysis Date:

12/30/86

Shipped By

Shipment Date:

Product

Constituent

Level Tested

Limit

a Arsenic

2.0 ppm

<5ppm

b Cadmium

0 ppm

<2ppm

c Chromium

0.2 ppm

<10ppm

d Lead

25 ppm

<100ppm

e PCB

<5 ppm

<10ppm

f TX

73.7 ppm

<1000ppm

g BS&W

<1%

<2%

h Flash Point

>200°F.

>140°F.

Notes:

ATTACHMENT #2

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

Analytical Report #	C44.23854.7
Date	08/26/87
CVI Log #	C44-233-104-105
Received	08/21/87
Sampled By	Customer

Mr. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

CVI TEST ANALYSIS		UNITS	COMPLETED TECH	DATE	
PCB IN OIL		PPM	DR	8/25	

CVI LOG #	SAMPLE I.D.	DATE	SAMPLE TIME	RESULTS
104	= Scrap Tank # 1	NG	NG	5,920
105	= Scrap Tank # 2	NG	NG	10,120

David W. Reber
David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT NO.: C44.24651.7
DATE: 09/03/87
SAMPLE NOS: C44-223-104
RECEIVED: 08/11/87
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801

REPORT OF ANALYSIS

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE:

TIME:

104 = LS-10 SCRAP OIL TANK

08/07

NOT GIVEN

CVI TEST
ANALYSIS:

UNITS:

BY:

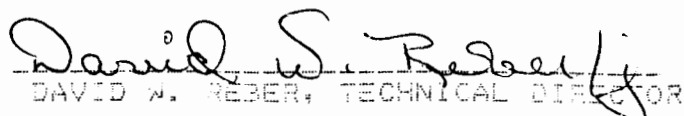
DATE:

RESULTS

ARSENIC	mg/l	JR	9/02	< 0.05
SELENIUM	mg/l	JR	9/02	< 0.05
MERCURY	mg/l	JR	8/24	< 0.0005
BARIUM	mg/l	JR	8/30	< 0.2
CADMIUM	mg/l	JR	8/25	0.04
CHROMIUM	mg/l	JR	8/26	0.3
SILVER	mg/l	JR	8/24	< 0.02
LEAD	mg/l	JR	8/24	0.9
IGNITABILITY	degrees C	NR	8/31	62.2
REACTIVITY				
Cyanide	mg/l	DH	8/20	< 0.08
Sulfide	mg/l	JR	8/26	< 0.5
CORROSIVITY	ph units	JR	8/12	8.53
ASH CONTENT	% 5.6%	(WILL FOLLOW UNDER SEPARATE COVER)		
PERCENT WATER	%	DR	8/18	46.9
PCB/OIL	mg/l	DR	8/12	7

REACTIVITY - NOT REACTIVE
IGNITABILITY - NOT IGNITABLE
CORROSIVITY - NOT CORROSIVE

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.


DAVID W. REBER, TECHNICAL DIRECTOR

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302-731-1550

ANALYTICAL REPORT NO.: C44.21751.7
DATE: 08/05/87
SAMPLE NOS: C44-212-105
RECEIVED: 07/31/87
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801
DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE:

TIME:

105 = LS # 2 - SCRAP OIL

7/29

NOT GIVEN

CVI TEST
ANALYSIS:

UNITS:

BY:

DATE:

RESULTS

ARSENIC	mg/l	JR	8/05	< 0.05
SELENIUM	mg/l	JR	8/05	< 0.05
MERCURY	mg/l	JR	8/05	< 0.05
BARIUM	mg/l	JR	8/05	< 0.2
CADMIUM	mg/l	JR	8/05	< 0.2
CHROMIUM	mg/l	JR	8/05	0.8
SILVER	mg/l	JR	8/05	< 0.2
LEAD	mg/l	JR	8/05	3.9
IGNITABILITY	degrees C	NR	8/03	NOT IGNITABLE
REACTIVITY				NOT REACTIVE
Cyanide	mg/l	DH	8/03	0.1
Sulfide	mg/l	JR	8/03	0.1
CORROSIVITY	ph units	JR	8/03	6.67
ASH CONTENT	%	JM	8/05	26
PERCENT WATER	%	DR	8/03	39.6
PCB/OIL	mg/l	DR	8/03	299

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

F I N A L

ANALYTICAL REPORT NO.: C44.14255.7
DATE: 06/03/87
SAMPLE NOS: C44-132-113
RECEIVED: 05/12/87
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801

David W. Reber
DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE:

TIME:

113 = TANK LS-2

05/11

NOT GIVEN

CVI TEST

ANALYSIS:

UNITS:

BY:

DATE:

RESULTS

ARSENIC	mg/l	DE	05/27	< 0.05
SELENIUM	mg/l	DE	05/27	< 0.05
MERCURY	mg/l	DE	05/27	< 0.005
BARIUM	mg/l	KG	05/14	0.9
CADMIUM	mg/l	KG	05/14	< 0.05
CHROMIUM	mg/l	KG	05/15	< 0.05
SILVER	mg/l	DE	05/14	< 0.5
LEAD	mg/l	KG	05/15	7.5
IGNITABILITY	degrees C	JR	05/28	NOT IGNITABLE
REACTIVITY				NOT REACTIVE
Cyanide	mg/l	DH	05/27	2.3
Sulfide	mg/l	JR	05/27	< 0.5
CORROSIVITY	ph units	JR	05/28	6.46
% OF WATER	%	SM	06/02	60.3
ASH CONTENT	mg/kg	JM	06/03	5760

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

P A R T I A L

=====

Analytical Report # C44.14255.7
Date 5/22/87
CVI Log # C44-132-113
Received 5/12/87
Sampled By Customer

Mr. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

=====

SAMPLE IDENTIFICATION

SAMPLE I.D.

SAMPLE DATE

SAMPLE TIME

TANK LS-2

5/11/87

NOT GIVEN

CVI TEST

ANALYSIS

UNITS

COMPLETED

TECH

DATE

RESULT

PCB IN OIL

PPM

DR

5/21

130

PH

PH UNITS

MW

5/12

7.05

NOTE: RCRA Parameters, Percent Water, and Ash Content to follow
under separate cover.

David W. Reber
David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

ANALYTICAL REPORT NO.: C44.13252.7
DATE: 05/12/87
SAMPLE NOS: C44-113-106
RECEIVED: 04/23/87
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801

David W. Reber
DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE:

TIME:

106 = SCRAP OIL
#10 CIGAR TANK

04/20

NOT GIVEN

CVI TEST

ANALYSIS:

UNITS:

BY:

DATE:

RESULTS

ARSENIC	mg/l	DE	05/11	< 0.05
SELENIUM	mg/l	DE	05/11	< 0.05
MERCURY	mg/l	DE	05/11	< 0.05
BARIUM	mg/l	KG	05/08	< 0.2
CADMIUM	mg/l	KG	05/08	0.04
CHROMIUM	mg/l	KG	05/08	3.1
SILVER	mg/l	KG	05/08	< 0.5
LEAD	mg/l	KG	05/08	3.38
IGNITABILITY	degrees C	JR	05/12	IGNITABLE *
REACTIVITY				NOT REACTIVE
Cyanide	mg/l	DH	05/05	< 0.5
Sulfide	mg/l	JR	05/05	< 0.05
CORROSIVITY	ph units	JR	05/05	12.4
% OF WATER				RESULTS TO FOLLOW UNDER SEPARATE COVER.
ASH CONTENT				RESULTS TO FOLLOW UNDER SEPARATE COVER.

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

IGNITABLE BELOW 70 DEGREES C

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(712) 731-1550

ANALYTICAL REPORT NO.: C44.13252.7
DATE: 05/12/87
SAMPLE NOS: C44-113-106
RECEIVED: 04/23/87
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801

David W. Reber
DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION: DATE: TIME:

106 = SCRAP OIL 04/20 NOT GIVEN
#10 CIGAR TANK

CVI TEST

ANALYSIS: UNITS: BY: DATE: RESULTS

ARSENIC	mg/l	DE	05/11	< 0.05
SELENIUM	mg/l	DE	05/11	< 0.05
MERCURY	mg/l	DE	05/11	< 0.05
BARIUM	mg/l	KG	05/08	< 0.2
CADMIUM	mg/l	KG	05/08	0.04
CHROMIUM	mg/l	KG	05/08	3.1
SILVER	mg/l	KG	05/08	< 0.5
LEAD	mg/l	KG	05/08	3.38
IGNITABILITY	degrees C	JR	05/12	IGNITABLE *
REACTIVITY				NOT REACTIVE
Cyanide	mg/l	DH	05/05	< 0.5
Sulfide	mg/l	JR	05/05	< 0.05
CORROSIVITY	ph units	JR	05/05	12.4
% OF WATER	%	SM	05/14	96.2
ASH CONTENT	mg/kg	JM	05/13	12,461

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

IGNITABLE BELOW 70 DEGREES C

ATTACHMENT #3

COOPERATIVE VENTURES, INC.
PO BOX 796
EASTON, PA 18044-0796
TELE: 215 258-2911
302 731-1550

ANALYTICAL REPORT NO.: C44.30317
DATE: 10/30/86
SAMPLE NOS: C44-297-102
RECEIVED: 10/24/86
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801

David W. Reber

DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE: TIME:

102 = SLUDGE FROM WATER
TREATMENT PLANT

10/22 1310

CVI TEST

ANALYSIS: UNITS: BY: DATE:

RESULTS
102

ARSENIC	mg/l	JTB	10/30	< 0.003
SELENIUM	mg/l	JTB	10/30	< 0.003
MERCURY	mg/l	JTB	10/30	< 0.0005
BARIUM	mg/l	JTB	10/29	0.2
CADMIUM	mg/l	JTB	10/29	0.03
CHROMIUM	mg/l	JTB	10/29	0.07
SILVER	mg/l	DE	10/29	< 0.02
LEAD	mg/l	DE	10/29	0.1
IGNITABILITY	degrees C	DE	10/29	NOT IGNITABLE BELOW 70 degrees C
REACTIVITY				
CYANIDE	mg/kg	DH	10/29	1.62
SULFIDE	mg/kg	DH	10/29	11.5

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.


COOPERATIVE VENTURES, INC.
PO BOX 796
EASTON, PA 18044-0796
TELE: 215 258-2911

VOLATILE ORGANIC SCAN
AMTRAK
ANALYTICAL REPORT NO. C44.30317
OCTOBER 30, 1986

FOR: C44-297-102
FULTON WILLIAMS SLUDGE FROM WATER TRMT PLANT
TECH/DATE: JJ / 10-30-86 (UG/L)

CHLOROMETHANE	< 1
VINYL CHLORIDE	< 1
BROMOMETHANE	< 1
CHLOROETHANE	< 1
METHYLENE CHLORIDE	< 1
1,1-DICHLOROETHYLENE	< 1
1,1-DICHLOROETHANE	< 1
TRANS-1,2-DICHLOROETHYLENE	92
CHLOROFORM	5
1,2-DICHLOROETHANE	< 1
1,1,1-TRICHLOROETHANE	< 1
CARBON TETRACHLORIDE	< 1
BROMODICHLOROMETHANE	< 1
1,2-DICHLOROPROPANE	< 1
TRANS-1,3-DICHLOROPROPENE	< 1
TRICHLOROETHYLENE	3
BENZENE	< 1
CIS-1,3-DICHLOROPROPENE	< 1
1,1,2-TRICHLOROETHANE	< 1
CHLORODIBROMOMETHANE	< 1
2-CHLOROETHYL VINYL ETHER	< 1
BROMOFORM	< 1
TETRACHLOROETHYLENE	< 1
1,1,2,2-TETRACHLOROETHANE	< 1
TOLUENE	390
CHLOROBENZENE	< 1
ETHYLBENZENE	221

SAMPLE DATE/TIME: 10-22 / 1310


DAVID W. REBER
TECHNICAL DIRECTOR

COOPERATIVE VENTURES, INC.
PO BOX 796
EASTON, PA 18044-0796
TELE: 215 258-2911
DE: 302 731-1550

ANALYTICAL REPORT NO.: C44.29012
DATE: 10/17/86
SAMPLE NOS: C44-287-109
RECEIVED: 10/14/86
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801

David W. Reber
DAVID W. REBER, TECHNICAL DIRECTOR

CVI TEST

ANALYSIS:

UNITS:

COMPLETED

BY: DATE:

PCB IN SLUDGE

mg/kg

JJ 10/16

SAMPLE ID

CVI LOG: IDENTIFICATION:

SAMPLE

DATE: TIME:

RESULTS

PCB

109 = SLUDGE HOLDING TANK

9/30 NOT GIVEN

2.0

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

Analytical Report # C44.14254.7
Date 5/22/87
CVI Log # C44-132-110-112
Received 5/12/87
Sampled By Customer

Mr. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

SAMPLE IDENTIFICATION

CVI LOG #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
110	DAF EQUAL POND	5/08/87	NOT GIVEN
111	DAF GRIT CHAMBER	5/08/87	NOT GIVEN
112	DAF SLUDGE TANK	5/11/87	NOT GIVEN

CVI TEST ANALYSIS	UNITS	COMPLETED TECH	DATE	110	111	112
PCB	PPM	DR	5/20	< 2	2	1

David W. Reber
David W. Reber, Tech. Dir.

CERTIFICATE OF ANALYSIS

LABORATORY NO: 1695-87

CLIENT: AMTRAK

RECEIVED: 4-27-87

REPORTED: 5-7-87

SAMPLE DATE: NA

SAMPLED BY: NA

Sample Description: Oil #4124187 D.A.F. Oil

Parameter	Units	Sample Concentration
Polychlorinated Biphenyls	mg/kg ^a	50.4 as 1254 PCB

^awet weight

Approved By Kyle F. Gross
Kyle F. Gross, Laboratory Supervisor
Environmental Chemistry Laboratory

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

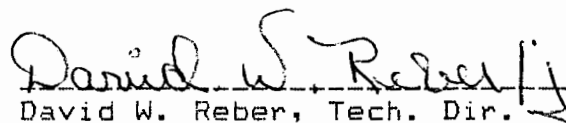
Analytical Report # C44.11757.7
Date 4/27/87
CVI Log # C44-113-111
Received 4/23/87
Sampled By Customer

Mr. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

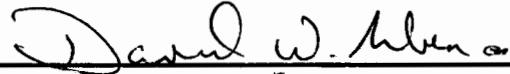
CVI TEST		COMPLETED	
ANALYSIS	UNITS	TECH	DATE
PCB IN OIL	PPM	DR	4/24

AMPLE IDENTIFICATION			
I.D.	DATE	TIME	RESULT
DAO TANK (DAF SCRAP OIL)	4/23	7:15 A.M.	64


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.P.O. BOX 796
EASTON, PA 18044-0796ANALYTICAL REPORT NO.: C44.09312
DATE: 04/03/87
SAMPLE NOS: C44-070-106, 107, 110
RECEIVED: 03/11/87
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801

DAVID W. REBER, TECHNICAL DIRECTOR

CVI TEST	ANALYSIS:	UNITS:	COMPLETED BY:	DATE:
	PCB IN WATER	ppm	DR	3/18
	PCB IN OIL	ppm	DR	3/18
	SULFUR	weight %	ATL	3/17

SAMPLE ID	SAMPLE	PCB	RESULTS	
CVI LOG: IDENTIFICATION:	DATE: TIME:	WATER	PCB OIL	SULFUR
106 = MIDEL	3/05 NOT GIVEN	274		
107 = #4 FUEL OIL	3/02 NOT GIVEN			0.54
110 = DAF SCRAP OIL	3/05 NOT GIVEN		<u>79</u>	

PAGE 2


COOPERATIVE VENTURES, INC.

P.O. BOX 796
EASTON, PA 18044-0796

ANALYTICAL REPORT NO.: C44.09312
DATE: 04/03/87
SAMPLE NOS: C44-070-110
RECEIVED: 03/11/87
SAMPLED BY: CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS
AMTRAK MATERIAL CONTROL
FOOT OF VANDEVER AVENUE
WILMINGTON, DE 19801



DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE: TIME:

110 = DAF SCRAP OIL

03/05 NOT GIVEN

CVI TEST

ANALYSIS:

UNITS: BY: DATE:

RESULTS

110

ARSENIC	mg/l	MY	04/01	< 0.06
SELENIUM	mg/l	MY	04/01	< 0.05
MERCURY	mg/l	DE	03/31	< 0.1
BARIUM	mg/l	DE	03/23	< 2
CADMIUM	mg/l	DE	03/26	< 0.1
CHROMIUM	mg/l	DE	03/24	2.9
SILVER	mg/l	DE	03/23	< 0.1
LEAD	mg/l	DE	03/25	2
IGNITABILITY	degrees C	JR	03/31	NOT IGNITABLE
REACTIVITY				NOT REACTIVE
CYANIDE	mg/kg	DH	03/27	2.0
SULFIDE	mg/kg	JR	03/27	< 0.5
ASH CONTENT	weight %	JM	04/03	0.38
pH CORROSIVITY	pH units	JR	03/31	7.1

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

C COOPERATIVE
V VENTURES
I INC.

(302) 731-1550

(215) 258-2911

ANALYTICAL REPORT NO. C44.02350.7

DATE 1/23/87

AUTHORIZATION LAQ-0006

LOG DATES 016 (104)

SAMPLED BY: Customer

TO:

Mr. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

SAMPLE IDENTIFICATION

D.A.F. Sewer System

SAMPLE DATE

1/14/87

SAMPLE TIME

Not Given

ANALYSIS

PCB IN WATER

UNITS

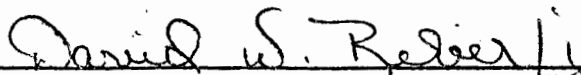
PPM

COMPLETED
BY TECH

DR 1/22

RESULTS

<2


David W. Reber, Technical Director

ATTACHMENT #4

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C44.22450.7
DATE 01/24/87
DATE SAMPLED 12/12 - 12/14
DATE RECEIVED 12/11/87
SAMPLED BY CVI/JS

Mr. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

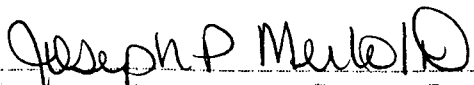
SAMPLE I.D.: MANHOLE/BI-YEARLY
SAMPLE TYPE: COMPOSITE (24 HOUR)

TYPE OF ANALYSIS: PCB IN WATER

ANALYSIS COMPLETED:

DATE 12/30
TIME 1300
TECH CH

SAMPLE RESULT: < 10 ppb
METHOD USED: EPA 429


Joseph P. Marlo, Tech. Dir.

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

Mr. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 19801

ANALYTICAL REPORT # C44.18150.7
DATE 06/30/87
DATE SAMPLED 6/09 - 6/10
DATE RECEIVED 06/10/87
SAMPLED BY CVI/JB

REPORT OF ANALYSIS

SAMPLE I.D.: MANHOLE/BI-YEARLY
SAMPLE TYPE: COMPOSITE (24 HOUR)

TYPE OF ANALYSIS: PCB IN WATER

ANALYSIS COMPLETED:

DATE 6/29
TIME 1430
TECH DR

SAMPLE RESULT: < 10 ppb
METHOD USED: EPA 608

David W. Reber
David W. Reber, Tech. Dir.

ATTACHMENT #5

COOPERATIVE VENTURES, INC.

**PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702**

December 14, 1987

302 - 731-1550

Mr. Christopher A. Strenleir, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

FIELD NOTES - AMTRAK

SAMPLE # C46-321-104-105
11/16/87 - 11/17/87 Start: 0730

Outfall 002A - Opening of 42" drainage pipe into Shellboat Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 4" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny and clear.

SAMPLE # C46-322-104-105
11/17/87 - 11/19/87 Start: 0800

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 6" below water surface. Compositor was placed 3 1/2 ft. from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at pipe opening. Flow: Approximately 15 gallons per minute. Weather Condition: Cloudy.

Jimmy Balasingham
Delawarean Field Technician

ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

FACILITY WWTP
 LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

(2-16) DE 0050962
 PERMIT NUMBER

(17-19) 002A
 DISCHARGE NUMBER

END OF PHASE I

MONITORING PERIOD						
FROM			TO	YEAR		
YEAR	MO	DAY		YEAR	MO	DAY
87	11	01		87	11	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMP. TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	45	45	0	01/30	GRA
	PERMIT REQUIREMENT	*	*	*	*	10	15	0	01/30	GRA
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	5.79	*	5.84	1	01/30	GRA
	PERMIT REQUIREMENT	*	*	*	6.0	*	9.0	0	01/30	GRA
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	41	0	01/30	GRA
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	.42	0	01/30	GRA
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	96	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP
DIELDRIN Mon Loc <u>1</u> 39380	SAMPLE MEASUREMENT	*	*	*	*	*	41	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER CA Strehlein, mgr Safety/Environmental Control TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	Joseph P. Merlo Joseph P Merlo, Tech. SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 302 731-1550	DATE 87 12 14

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

(2-16)		(17-19)	
DE 0050962		001	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
FROM	YEAR	MO	DAY
	87	11	01
	(20-21)	(22-23)	(24-25)
TO	YEAR	MO	DAY
	87	11	30
	(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	25	25	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	10	15	0	01/30	GRAB
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	6.98	*	7.06	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	6.0	*	9.0	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	21	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	.40	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	1	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP.
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <u>CA Strehlein, mgr</u> <u>Safety/Environmental</u> <u>Control</u>	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <u>Joseph P Merto</u> <u>Joseph P Merto Tech. Dir</u>	TELEPHONE	DATE			
			302/731-1550	87	12	14	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

INVOICE # C41.34751.7
DATE 12/14/87
LOG DATES 001 - 002
RECEIVED 11/16 - 11/17
COMPLETED 12/14/87

INVOICE TO:

Accounts Payable Section
Amtrak
P.O. Box 6512
Philadelphia, PA 19101

REPORT TO:

Mr. Christopher A. Strenlein, Mgr.
Wilmington Maint. Facility

P.O. # LA 2 22675 7

TERMS: Net 30

(OUTFALLS 002A & 001 - NPDES)

MONTH: November 1987

QTY	DESCRIPTION	UNIT	TOTAL
4	PA	5.00	\$ 20.00
4	OIL & GREASE	20.00	80.00
4	SURFACTANTS	20.00	120.00
6	TRICHLOROETHYLENE	35.00	210.00
6	PCB/WATER	125.00	750.00
3	DIELDRIN	90.00	270.00
8	FIELD TECH HOURS	20.00	160.00

SUB-TOTAL \$1,610.00

LESS 30% 483.00

TOTAL AMOUNT DUE \$1,127.00

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # 046.34951.7
DATE 12/14/87
DATE SAMPLED 11/17 - 11/18
DATE RECEIVED 11/17
SAMPLED BY CUI/JD
LOG DATE 312Mr. Christopher A. Strenlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	12/03	10/29
TIME	1130	1000
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	1 ppb
DUPLICATE	< 1 ppb	1 ppb
SPIKE AMOUNT	10.	41.
% RECOVERY	95%	93%
METHOD USED	EPA 608	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	11/18	11/18	12/14
TIME	1330	1300	1400
TECH	GG	JB	JM
SAMPLE RESULT	< 5	6.96	0.40
DUPLICATE	< 5	7.06	0.40
SPIKE AMOUNT	N/A	N/A	0.65
% RECOVERY	N/A	N/A	93%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1

Joseph P. Merlo/D
Joseph P. Merlo, Tech. Dir.

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702ANALYTICAL REPORT # C46.3495117
DATE 12/14/87
DATE SAMPLED 11/15 - 11/17
DATE RECEIVED 11/16
SAMPLED BY CUI/JC
LOG DATE 721

302 - 731-1550

Mr. Christopher A. Strehleir, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	12/03	12/03	11/25
TIME	1000	1000	0930
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	96 ppb
DUPLICATE	< 1 ppb	< 1 ppb	92 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	92%	98%	56%
METHOD USED	EPA 606	EPA 606	EPA 601

ERAB 002A	OIL & GREASE	PH	SURFACTANTS (M3AB)
ANALYSIS: DATE	11/18	11/17	11/14
TIME	1030	1030	1435
TECH	GG	JB	JM
SAMPLE RESULT	< 5 ppm	5.79	0.41
DUPLICATE	< 5 ppm	5.84	0.42
SPIKE AMOUNT	N/A	N/A	0.65
% RECOVERY	N/A	N/A	91%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1

Joseph P. Merlo/D.
Joseph P. Merlo, Tech. Dir.

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

RECEIVED NOV 09 1987

November 24, 1987

302 - 731-1550

Mr. Christopher A. Strahleir, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

FIELD NOTES - AMTRAK

SAMPLE # C46-293-103-106
10/19/87 - 10/20/87 Start: 0730

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 4" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny and Clear.

SAMPLE # C46-294-104-105
10/20/87 - 10/21/87 Start: 0800

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 5" below water surface. Compositor was placed 6' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at pipe opening. Flow: Approximately 15 gallons per minute. Weather Condition: Cloudy.

Jimmy Balasingham
J. Balasingham, Field Technician

NAME/ADDRESS (Agency)
 Facility Name/Location if different
NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
WMP
VANDEVER AVENUE, WILMINGTON, DELAWARE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

Form Approved
 OMB No. 2040-0004
 Expires 2-29-84

DE 0050962
 PERMIT NUMBER

001
 DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
87	10	01	87	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	0	01/30	GRAB
Mon Loc 1 00556	PERMIT REQUIREMENT	*	*		*	10	15	0	01/30	GRAB
pH	SAMPLE MEASUREMENT	*	*	*	7.39	*	7.39	0	01/30	GRAB
Mon Loc 1 00400	PERMIT REQUIREMENT	*	*		6.0	*	9.0	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	<1	0	01/30	COMP
Mon Loc 1 39516	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.183	0	01/30	GRAB
Mon Loc 1 38260	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	1	0	01/30	COMP
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 A. Strehlein, Mgr.
 Safety/Environmental
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Signature of Principal Executive Officer or Authorized Agent
 D. S. Reber, Tech. Dir.

TELEPHONE
 302 731-1550

DATE
 87 11 02

AREA CODE NUMBER YEAR MO DAY

MENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

FACILITY WWT
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DISCHARGE MONITORING REPORT (DMR)

(2-16)
DE 0050962
PERMIT NUMBER

(17-19)
002A
DISCHARGE NUMBER

END OF PHASE I

OMB No. 2040-0
Expires 2-29-84

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	10	01		87	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE Mon Loc 1 00556	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	mg/L	0	01/30	GRA
	PERMIT REQUIREMENT	*	*		*	10	15		0	01/30	GRAE
pH Mon Loc 1 00400	SAMPLE MEASUREMENT	*	*	*	6.18	*	6.18	S.U.	0	01/30	GRA
	PERMIT REQUIREMENT	*	*		6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc 1 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	ComF
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP
SURFACTANTS (MBAS) Mon Loc 1 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.025	mg/L	0	01/30	GRAE
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc 1 39180	SAMPLE MEASUREMENT	*	*	*	*	*	67	ug/L	0	01/30	ComF
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP
DIELDRIN Mon Loc 1 39380	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	ComF
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C.A. STREHLEIN, MGR.

Safety/Environmental Control

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 53 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

D.W. Reber
D.W. Reber, Tech. Dir.
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302 731-1550
AREA CODE NUMBER

87 11 02
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702


302 - 731-1560

ANALYTICAL REPORT # C46.30651.7
DATE 11/02/87
DATE SAMPLED 10/20 - 10/21
DATE RECEIVED 10/21
SAMPLED BY CVI/JB
LOG DATE 294Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	10/30	10/29
TIME	1430	0930
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	1 ppb
DUPLICATE	< 1 ppb	1 ppb
SPIKE AMOUNT	10.	41.
% RECOVERY	98%	99%
METHOD USED	EPA 608	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	10/23	10/21	10/28
TIME	1335	1130	1115
TECH	MW	MW	JM
SAMPLE RESULT	< 5	7.39	0.183
DUPLICATE	< 5	7.46	0.182
SPIKE AMOUNT	N/A	N/A	0.406
% RECOVERY	N/A	N/A	98%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

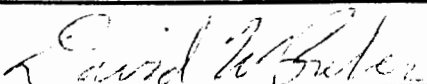
302 - 731-1550

ANALYTICAL REPORT # 046.30651.7
DATE 11/02/87
DATE SAMPLED 10/20 - 10/21
DATE RECEIVED 10/21
SAMPLED BY CVI/JB
LOG DATE 294Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	10/30	10/20
TIME	1430	0930
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	1 ppb
DUPLICATE	< 1 ppb	1 ppb
SPIKE AMOUNT	10.	41.
% RECOVERY	98%	99%
METHOD USED	EPA 808	EPA 801

GRA3 001	OIL & GREASE	PH	SURFACTANTS (YBAS)
ANALYSIS: DATE	10/23	10/21	10/20
TIME	1335	1130	1115
TECH	MW	MW	JM
SAMPLE RESULT	< 5	7.39	0.183
DUPLICATE	< 5	7.46	0.182
SPIKE AMOUNT	N/A	N/A	0.406
% RECOVERY	N/A	N/A	98%
METHOD USED	EPA 413.1	EPA 130.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702


302 - 731-1550

ANALYTICAL REPORT # C46.30651.7
DATE 11/02/87
DATE SAMPLED 10/19 - 10/20
DATE RECEIVED 10/20
SAMPLED BY CVI/JB
LOG DATE 293Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE
ANALYSIS: DATE	10/30	10/30	10/29
TIME	1300	1300	1030
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	67 ppb
DUPLICATE	< 1 ppb	< 1 ppb	62 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	95%	93%	92%
METHOD USED	EPA 608	EPA 608	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	10/22	10/20	10/29
TIME	1600	1230	0930
TECH	GG	JB	JM
SAMPLE RESULT	< 5 ppm	6.18	0.025
DUPLICATE	< 5 ppm	6.27	0.026
SPIKE AMOUNT	N/A	N/A	0.247
% RECOVERY	N/A	N/A	90%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302-731-1550

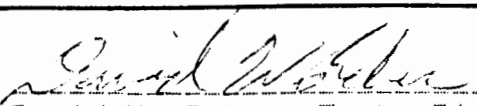
ANALYTICAL REPORT # 046.30651.7
DATE 11/02/87
DATE SAMPLED 10/19 - 10/20
DATE RECEIVED 10/20
SAMPLED BY CVI/JB
LOG DATE 293Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

RECEIVED NOV 09 1987

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE
ANALYSIS: DATE	10/30	10/30	10/29
TIME	1300	1300	1030
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	67 ppb
DUPLICATE	< 1 ppb	< 1 ppb	62 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	95%	93%	92%
METHOD USED	EPA 608	EPA 608	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	10/22	10/20	10/29
TIME	1600	1230	0930
TECH	GG	JB	JM
SAMPLE RESULT	< 5 ppm	6.18	0.025
DUPLICATE	< 5 ppm	6.27	0.026
SPIKE AMOUNT	N/A	N/A	0.247
% RECOVERY	N/A	N/A	95%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

November 2, 1987

302 - 731-1550

Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

FIELD NOTES - AMTRAK

SAMPLE # C46-293-105-106

10/19/87 - 10/20/87 Start: 0730

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 4" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny and Clear.

SAMPLE # C46-294-104-105

10/20/87 - 10/21/87 Start: 0800

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 5" below water surface. Compositor was placed 6' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at pipe opening. Flow: Approximately 15 gallons per minute. Weather Condition: Cloudy.

Jimmy Balasingham
J. Balasingham, Field Technician

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A

NEWARK, DE 19702

October 19, 1987

302-731-1550

Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

FIELD NOTES - AMTRAK

SAMPLE # C46-266-104-105
9/22/87 - 9/23/87 Start: 0700

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 3" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny and Clear.

SAMPLE # C46-267-104-105
9/23/87 - 9/24/87 Start: 0800

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 12" below water surface. Compositor was placed 2.5' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at pipe opening. Flow: Approximately 10/15 gallons per minute. Weather Condition: Sunny and Clear.

Jimmy Balasingham
J. Balasingham, Field Technician

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

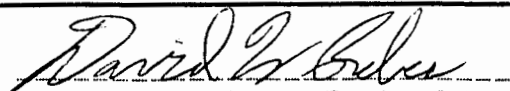
302 - 731-1550

ANALYTICAL REPORT # 046,29254.7
DATE 10/19/87
DATE SAMPLED 9/22 - 9/23
DATE RECEIVED 9/23
SAMPLED BY CVI/JB
LOG DATE 266Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE
ANALYSIS: DATE	10/14	10/14	10/15
TIME	0900	0900	1630
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	98 ppb
DUPLICATE	< 1 ppb	< 1 ppb	94 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	98%	97%	90%
METHOD USED	EPA 608	EPA 608	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	9/25	9/23	10/16
TIME	1000	1245	1230
TECH	MW	MW	JM
SAMPLE RESULT	< 5 ppm	6.89	0.03
DUPLICATE	< 5 ppm	6.96	0.03
SPIKE AMOUNT	N/A	N/A	0.527
% RECOVERY	N/A	N/A	98%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A

NEWARK, DE 19702

302-731-1550

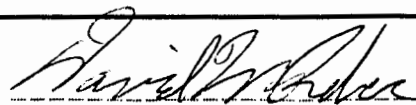
ANALYTICAL REPORT # C46.29254.7
DATE 10/19/87
DATE SAMPLED 9/23 - 9/24
DATE RECEIVED 9/24
SAMPLED BY CVI/JB
LOG DATE 267

Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	10/14	10/15
TIME	1200	1530
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	2.7 ppb
DUPLICATE	< 1 ppb	2.3 ppb
SPIKE AMOUNT	10.	41.
% RECOVERY	94%	94%
METHOD USED	EPA 608	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	10/1	9/24	10/16
TIME	1530	1530	1300
TECH	MW	MW	JM
SAMPLE RESULT	< 5	7.59	0.15
DUPLICATE	< 5	7.63	0.14
SPIKE AMOUNT	N/A	N/A	0.61
% RECOVERY	N/A	N/A	98%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1



David W. Reber, Tech. Dir.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
EPA No. 2040-0004
2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DE 005622
PERMIT NUMBER

001
DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	09	01		87	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	10	15	mg/L	0	01/30	GRAB
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	7.59	*	7.59	S.U.	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	6.0	*	9.0	S.U.	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.15	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	*	*	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	2.7	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C.A. Strehleins, mgr.
Safety & Environmental
TYPED OR PRINTED CONTROL

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David W. Reber
D.W. Reber, Tech Dir
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302 731-1550
AREA CODE NUMBER YEAR MO DAY
87 10 19

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Facility Name (Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)Form Approved
OMB No. 2040-0004
EPA 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)

ADDRESS WILMINGTON MAINTENANCE FACILITY

400 NORTH CAPITAL ST. N.W.

DE 0050

PERMIT NUMBER

002A

DISCHARGE NUMBER

END OF PHASE I

FACILITY WWTP

LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

MONITORING PERIOD

FROM

YEAR MO DAY
87 09 01

TO

YEAR MO DAY
87 09 30

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-43)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OIL & GREASE Mon Loc 1 00556	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	10	15	0	01/30	GRAB
pH Mon Loc 1 00400	SAMPLE MEASUREMENT	*	*	*	6.89	*	6.89	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	6.0	*	9.0	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc 1 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc 1 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.03	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc 1 39180	SAMPLE MEASUREMENT	*	*	*	*	*	98	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP
DIELDRIN Mon Loc 1 39380	SAMPLE MEASUREMENT	*	*	*	*	*	<1	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP.
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C.A. Strehlein, mgr.
Safety & Environmental
TYPED OR PRINTED CONTROL

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

David W. Reber
D.W. Reber Tech. Dir.
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302/731-1550 87 10 19
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

September 11, 1987

302 - 731-1550

Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

FIELD NOTES - AMTRAK

SAMPLE # C46-237-105-106
8/24/87 - 8/25/87 Start: 0700

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 3" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny and Clear.

SAMPLE # C46-238-107-108
8/25/87 - 8/26/87 Start: 0715

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 12" below water surface. Compositor was placed 2.5' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at pipe opening. Flow: Approximately 20/25 gallons per minute. Weather Condition: Sunny and Clear.

Jimmy Balasingham
J. Balasingham, Field Technician

Facility Name/Location (if different)
NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)
DE 0050962
PERMIT NUMBER

(17-19)
002A
DISCHARGE NUMBER

END OF PHASE I

Form Approved
OMB No. 2040-0004
Exp. 2-29-84

FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	08	01		87	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	mg/L	0	01/30	GRAB
Mon Loc <u>1</u> 00556		PERMIT REQUIREMENT	*		*	*	10		15	0	01/30
pH	SAMPLE MEASUREMENT	*	*	*	6.24	*	6.27	S.U.	0	01/30	GRAB
Mon Loc <u>1</u> 00400		PERMIT REQUIREMENT	*		*	6.0	*		9.0	0	01/30
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
Mon Loc <u>1</u> 39516		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	<0.02	mg/L	0	01/30	GRAB
Mon Loc <u>1</u> 38260		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	57	ug/L	0	01/30	COMP
Mon Loc <u>1</u> 39180		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
Mon Loc <u>1</u> 39380		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
	SAMPLE MEASUREMENT										
		PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

A. STRECHLEIN MGR.
SAFETY / AMTRAK
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David S. Reber
DAVID S. REBER, Tech
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302 731-1550 87 09 11
AREA CODE NUMBER YEAR MO DAY

IMMEDIATE AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Facility Name/Location if different) **NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)**
WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

FACILITY **WWTP**
LOCATION **VANDEVER AVENUE, WILMINGTON, DELAWARE**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)
DE 0050962
PERMIT NUMBER

(17-19)
002A
DISCHARGE NUMBER

END OF PHASE I

Form Approved
OMB No. 2040-0004
Ex 2-29-84

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	08	01		87	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR **A**

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	10	15		0	01/30	GRAB
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	6.24	*	6.27	S.U.	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	<0.02	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	57	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP
DIELDRIN Mon Loc <u>1</u> 39380	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C.A. STREHLER, MGR.
SAFETY / AMTRAK
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

DAVID W. REBER
DAVID W. REBER, TECH
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

302 731-1550
AREA
CODE NUMBER

DATE

87 09 11
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

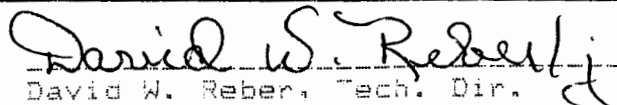
302 - 731-1550

ANALYTICAL REPORT # C46.25452.7
DATE 09/11/87
DATE SAMPLED 8/24 - 8/25
DATE RECEIVED 8/25
SAMPLED BY CVI/JB
LOG DATE 237Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE
ANALYSIS: DATE	9/01	9/01	9/11
TIME	1030	1030	1500
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	57 ppb
DUPLICATE	< 1 ppb	< 1 ppb	54 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	91%	98%	99%
METHOD USED	EPA 608	EPA 608	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	8/27	8/25	9/02
TIME	1430	1130	0930
TECH	MW	MW	JM
SAMPLE RESULT	< 5 ppm	6.27	< 0.02
DUPLICATE	< 5 ppm	6.24	< 0.02
SPIKE AMOUNT	N/A	N/A	0.52
% RECOVERY	N/A	N/A	98%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.25452.7
DATE 09/11/87
DATE SAMPLED 8/25 - 8/26
DATE RECEIVED 8/26
SAMPLED BY CVI/JB
LOG DATE 238Mr. Christopher A. Strehlein, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	9/01	9/11
TIME	1030	1530
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	1 ppb
DUPLICATE	< 1 ppb	1 ppb
SPIKE AMOUNT	10.	41.
% RECOVERY	96%	98%
METHOD USED	EPA 608	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	8/31	8/26	9/02
TIME	1030	1330	1030
TECH	MW	MW	JM
SAMPLE RESULT	< 5	7.06	0.09
DUPLICATE	< 5	7.08	0.09
SPIKE AMOUNT	N/A	N/A	0.71
% RECOVERY	N/A	N/A	98%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1

David W. Reber
David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

AUGUST 4, 1987

302 - 731-1550

Mr. Wayne C. LaMarche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

B. J. Gen. Mgr.

FIELD NOTES - AMTRAK

SAMPLE # C46-197-104-105
7/15/87 - 7/16/87 Start: 0700

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 6" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Clear during sampling time, however, thunderstorms & heavy rain occurred the previous day.

SAMPLE # C46-198-104-105
7/16/87 - 7/17/87 Start: 0700

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 12" below water surface. Compositor was placed 2.5' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Sunny and clear during duration of sampling time. Grab samples taken at pipe opening. Flow: Approximately 25 gallons per minute.

James R. Balasingham
J. Balasingham, Field Technician

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # 046.21655.7
DATE 08/04/87
DATE SAMPLED 7/16 - 7/17
DATE RECEIVED 7/17
SAMPLED BY CVI/JB
LOG DATE 198Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801*P. J. [Signature]*

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	7/26	7/22
TIME	1100	1030
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	2 ppb
DUPLICATE	< 1 ppb	2 ppb
SPIKE AMOUNT	10.	41.
% RECOVERY	95%	94%
METHOD USED	EPA 602	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	7/30	7/17	7/31
TIME	0900	1400	1030
TECH	MW	MW	JM
SAMPLE RESULT	< 5	7.59	0.03
DUPLICATE	< 5	7.61	0.03
SPIKE AMOUNT	N/A	N/A	.536
% RECOVERY	N/A	N/A	99%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1

David W. Deber
David W. Deber, Tech. Dir.

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302-731-1550

ANALYTICAL REPORT # C46.21655.7
DATE 08/04/87
DATE SAMPLED 7/15 - 7/16
DATE RECEIVED 7/16
SAMPLED BY CVI/JE
LOG DATE 197Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801*Handwritten signature: J. La Marche*

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE
ANALYSIS: DATE	7/22	7/26	7/22
TIME	1130	1130	1030
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	77 ppb
DUPLICATE	< 1 ppb	< 1 ppb	73 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	97%	96%	100%
METHOD USED	EPA 608	EPA 608	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (NBAS)
ANALYSIS: DATE	7/21	7/16	7/27
TIME	1400	1530	1400
TECH	MW	MW	JM
SAMPLE RESULT	< 5 ppm	6.87	0.02
DUPLICATE	< 5 ppm	6.91	0.02
SPIKE AMOUNT	N/A	N/A	.10
% RECOVERY	N/A	N/A	100%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1

Handwritten signature: David W. Reber
David W. Reber, Tech. Dir.

Facility Name/Location (if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)Form Approved
OMB No. 2040-0004
Exp. 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)

ADDRESS WILMINGTON MAINTENANCE FACILITY

400 NORTH CAPITAL ST. N.W.

DE 0050962

PERMIT NUMBER

002A

DISCHARGE NUMBER

END OF PHASE I

FACILITY WWTP

LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
87	07	01	87	07	31
(20-21) (22-23) (24-25)			(26-27) (28-29) (30-31)		

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
OIL & GREASE		SAMPLE MEASUREMENT	*	*	*	<5	<5	mg/L	0	01/30	GRAB
Mon Loc <u>1</u>	00556	PERMIT REQUIREMENT	*	*	*	10	15		0	01/30	GRAB
pH		SAMPLE MEASUREMENT	*	*	*	6.87	*	S.U.	0	01/30	GRAB
Mon Loc <u>1</u>	00400	PERMIT REQUIREMENT	*	*	6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)		SAMPLE MEASUREMENT	*	*	*	*	<1	ug/L	0	01/30	COMP
Mon Loc <u>1</u>	39516	PERMIT REQUIREMENT	*	*	*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS)		SAMPLE MEASUREMENT	*	*	*	*	0.02	mg/L	0	01/30	GRAB
Mon Loc <u>1</u>	38260	PERMIT REQUIREMENT	*	*	*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE		SAMPLE MEASUREMENT	*	*	*	*	77	ug/L	0	01/30	COMP
Mon Loc <u>1</u>	39180	PERMIT REQUIREMENT	*	*	*	*	*		0	01/30	COMP
DIELDRIN		SAMPLE MEASUREMENT	*	*	*	*	<1	ug/L	0	01/30	COMP
Mon Loc <u>1</u>	39380	PERMIT REQUIREMENT	*	*	*	*	*		0	01/30	COMP.
		SAMPLE MEASUREMENT									
		PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David S. Reber, Jr.
DAVID S. REBER, JR.
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302/731-1550
AREA
CODE NUMBER

87 08 04
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
EPA No. 2040-0004
res 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

(2-)
DE 0050962
PERMIT NUMBER

(17-19)
001
DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR MO DAY TO YEAR MO DAY
87 07 01 87 07 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	10	15		0	01/30	GRAB
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	7.59	*	7.61	S.U.	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.03	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	2	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David S. Reber, Tech
DAVID S. Reber, Tech
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302/731-1550
AREA CODE NUMBER

87 08 04
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

COOPERATIVE VENTURES, INC.

PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 13702

July 8, 1987

302-731-1550

Mr. Wayne C. LaMarche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

FIELD NOTES - AMTRAK

SAMPLE # C46-169-104-105
6/17/87 - 6/18/87 Start: 0930

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free flowing tidal water in and out of pipe). Sample tube was placed 4" below water surface at pipe opening. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny (73 degrees) & Clear.

SAMPLE # C46-170-104-105
6/19/87 - 6/19/87 Start: 0930

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 5" below water surface. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Sunny and clear during duration of sampling time. Grab samples taken at pipe opening. Flow: Approximately 5 gallons per minute.

Jimmy Balasingham
J. Balasingham, Field Technician

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.18952.7

DATE 07/08/87

DATE SAMPLED 6/17 - 6/18

DATE RECEIVED 6/18

SAMPLED BY CVI/JB

LOG DATE 169

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	7/01	7/01	7/02
TIME	1300	1300	1045
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	54 ppb
DUPLICATE	< 1 ppb	< 1 ppb	52 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	92%	90%	94%
METHOD USED	EPA 608	EPA 600	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	6/23	6/18	7/27
TIME	1600	1530	1230
TECH	MW	MW	JM
SAMPLE RESULT	< 5 ppm	6.12	0.067
DUPLICATE	< 5 ppm	6.10	0.065
SPIKE AMOUNT	N/A	N/A	.51
% RECOVERY	N/A	N/A	96%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1



David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702


302-731-1550

ANALYTICAL REPORT # C46.18952.7
DATE 07/08/87
DATE SAMPLED 6/18 - 6/19
DATE RECEIVED 6/19
SAMPLED BY CVI/JB
LOG DATE 170Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	7/01	7/02
TIME	1300	1130
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	1.6 ppb
DUPLICATE	< 1 ppb	1.5 ppb
SPIKE AMOUNT	10.	41.
% RECOVERY	98%	90%
METHOD USED	EPA 606	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	6/26	6/19	7/07
TIME	1430	1600	1330
TECH	MW	MW	JM
SAMPLE RESULT	< 5	7.17	2.42
DUPLICATE	< 5	7.18	2.38
SPIKE AMOUNT	N/A	N/A	1.67
% RECOVERY	N/A	N/A	98%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
DE 0050967	002A
PERMIT NUMBER	DISCHARGE NUMBER

END OF PHASE I

OMB No. 2040-0004
Expires 2-29-84

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	06	01		87	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE Mon Loc 1 00556	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	10	15		0	01/30	GRAB
pH Mon Loc 1 00400	SAMPLE MEASUREMENT	*	*	*	6.10	*	6.12	S.U.	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc 1 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc 1 38260	SAMPLE MEASUREMENT	*	*	*	*	*	.067	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc 1 39180	SAMPLE MEASUREMENT	*	*	*	*	*	54	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP
DIELDRIN Mon Loc 1 39380	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

B. J. ...
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David W. Reber
DAVID W. REBER
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302	731-1550	87	07	08
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
EPA 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DE 0000962
PERMIT NUMBER

001
DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	06	01		87	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	<5	<5	mg/L	0	01/30 GRAB
	PERMIT REQUIREMENT	*	*		*	10	15			
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	7.17	*	7.18	S.U.	0	01/30 GRAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0			
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30 COMP
	PERMIT REQUIREMENT	*	*		*	*	*			
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	2.42	mg/L	0	01/30 GRAB
	PERMIT REQUIREMENT	*	*		*	*	*			
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	1.6	ug/L	0	01/30 COMP
	PERMIT REQUIREMENT	*	*		*	*	*			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David W. Reber
DAVID W. REBER
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302 731-1550 87 07 08
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

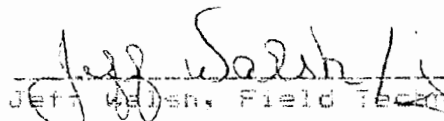
FIELD NOTES - AMTRAK

SAMPLE # C46-133-112-113
5/12/87 - 5/13/87 Start: 12:00 P.M.

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free flowing tidal water in and out of pipe). Sample tube was placed 10" below water surface at pipe opening at high tide. Heavy thunderstorms beginning in afternoon of 5/12/87 continuing into evening of 5/12/87. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline.

SAMPLE # C46-134-104-105
5/13/87 - 5/14/87 Start: 12:00 P.M.

10 Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 36" below water surface at high tide. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Sunny and clear during duration of sampling time. Grab samples taken at pipe opening. Flow rate was rapid and flowing at a rate greater than 25 gallons per minute.


Jeff Walsh, Field Technician

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE - SUITE 3A
NEWARK, DE 19702
(302) 731-1550

ANALYTICAL REPORT # C46.14950.7
DATE 5/29/87
DATE SAMPLED 5/12 - 5/13
DATE RECEIVED 5/13
SAMPLED BY CVI/JW
LOG DATE 133

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE
ANALYSIS: DATE	5/22	5/22	5/22
TIME	0930	0900	1330
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	151 ppb
DUPLICATE	< 1 ppb	< 1 ppb	149 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	95%	97%	93%
METHOD USED	EPA 608	EPA 608	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	5/18	5/13	5/29
TIME	1230	1445	1530
TECH	MW	MW	JM
SAMPLE RESULT	< 1 ppm	5.75	0.42
DUPLICATE	< 1 ppm	5.70	0.41
SPIKE AMOUNT	N/A	N/A	.65
% RECOVERY	N/A	N/A	91%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1

David W. Reber
David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

ANALYTICAL REPORT # C46.14950.7
DATE 5/29/87
DATE SAMPLED 5/13 - 5/14
DATE RECEIVED 5/14
SAMPLED BY CVI/JW
LOG DATE 134

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	5/22	5/22
TIME	0900	1400
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb
DUPLICATE	< 1 ppb	< 1 ppb
SPIKE AMOUNT	10.	41.
% RECOVERY	98%	93%
METHOD USED	EPA 608	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	5/18	5/14	5/29
TIME	1430	1500	1530
TECH	MW	MW	JM
SAMPLE RESULT	< 1	6.92	0.40
DUPLICATE	< 1	6.92	0.40
SPIKE AMOUNT	N/A	N/A	.65
% RECOVERY	N/A	N/A	93%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1

David W. Reber, Tech. Dir.

NAME NATL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

DE 0050962

PERMIT NUMBER

002A

DISCHARGE NUMBER

END OF PHASE I

FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	05	01		87	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-43)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	<1	<1	mg/L	0	01/30 GRAB
	PERMIT REQUIREMENT	*	*		*	10	15		0	01/30 GRAB
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	5.75	*	5.75	S.U.	1	01/30 GRAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0		0	01/30 GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30 Comp.
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30 COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	.42	mg/L	0	01/30 GRAB
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30 GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	151	ug/L	0	01/30 Comp.
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30 COMP.
DIELDRIN Mon Loc <u>1</u> 39380	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30 Comp.
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30 COMP.
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years)

David W. Reber
DAVID W. REBER, Tech Dir
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

Dayne C. Ladasche, Mgr
TYPED OR PRINTED

302

731-1550

87

05

29

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
EPA No. 2040-0004
Expires 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DE 0050962
PERMIT NUMBER

001
DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	05	01		87	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE		*	*	*	*	<1	<1	mg/L	0	01/30	GRAB
Mon Loc <u>1</u> 00556		*	*	*	*	10	15		0	01/30	GRAB
PH		*	*	*	6.92	*	6.92	S.U.	0	01/30	GRAB
Mon Loc <u>1</u> 00400		*	*	*	6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)		*	*	*	*	*	<1	ug/L	0	01/30	COMP.
Mon Loc <u>1</u> 39516		*	*	*	*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS)		*	*	*	*	*	.42	mg/L	0	01/30	GRAB
Mon Loc <u>1</u> 38260		*	*	*	*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE		*	*	*	*	*	<1	ug/L	0	01/30	COMP.
Mon Loc <u>1</u> 39180		*	*	*	*	*	*		0	01/30	COMP.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	David W. Reber	TELEPHONE	DATE		
Wayne C. Lamarche, Manager TYPED OR PRINTED		DAVID W. REBER, Tech. Dir. SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	302 731-1550	87	05	29

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

The specified parameter for PH is 9.0 to 6.0. The level for the month of May was 5.75 which is .25 lower than the established parameter. The reason for the low PH count is that during the sampling there were heavy thunderstorms for the period. The field notes indicate the inclement weather and is underscored.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

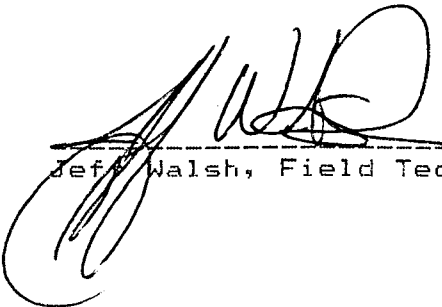
FIELD NOTES - AMTRAK

SAMPLE # C46-118-105-106
4/27/87 - 4/28/87 Start: 11:30 A.M.

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free flowing tidal water in and out of pipe). Sample tube was placed 6" below water surface at pipe opening at low tide. Light rain beginning in late p.m. of 4/27/87 ending in early a.m. of 4/28/87. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline.

SAMPLE # C46-119-109-110
4/28/87 - 4/29/87 Start: 11:30 A.M.

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 24" below water surface at low tide. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Sporadic rain showers in afternoon of 4/28/87 clearing in late p.m. of 4/28/87. Grab samples taken at pipe opening. Flow approximately 5 gallons per minute.



Jeff Walsh, Field Technician

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

DISCHARGE MONITORING REPORT (DMR)
(2-16) DE 0050962
PERMIT NUMBER

(17-19) 002A
DISCHARGE NUMBER

END OF PHASE I

OMB No. 2040-0004
Exp. 12-29-84

FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

MONITORING PERIOD
FROM YEAR MO DAY TO YEAR MO DAY
87 04 01 87 04 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	< 1	< 1	mg/L	0	01/30	GTAB
Mon Loc 1 00556	PERMIT REQUIREMENT	*	*	*	*	10	15		0	01/30	GRAB
pH	SAMPLE MEASUREMENT	*	*	*	*	*	6.25	S.U.	0	01/30	GTAB
Mon Loc 1 00400	PERMIT REQUIREMENT	*	*	*	6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	< 1	ug/L	0	01/30	COMP
Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	*	*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.10	mg/L	0	01/30	GTAB
Mon Loc 1 38260	PERMIT REQUIREMENT	*	*	*	*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	139	ug/L	0	01/30	COMP
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*	*	*	*	*		0	01/30	COMP
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	< 1	ug/L	0	01/30	COMP
Mon Loc 1 39380	PERMIT REQUIREMENT	*	*	*	*	*	*		0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Sayne C. Lamarche, Mgr.
City & Envir. Control
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David Reber
David Reber, Tech. Dir.
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302/731-1550
AREA CODE NUMBER

87 05 08
YEAR MO DAY

MENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
FACILITY WTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DE 0050-02	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
87	04	01		87	04	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	1	1	mg/L	0	01/30	GTAB
Mon Loc 1 00556		PERMIT REQUIREMENT	*		*	*	10		15	0	01/30
pH	SAMPLE MEASUREMENT	*	*	*		*	7.33	S.U.	0	01/30	GTAB
Mon Loc 1 00400		PERMIT REQUIREMENT	*		*	6.0	*		9.0	0	01/30
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
Mon Loc 1 39516		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.24	mg/L	0	01/30	GTAB
Mon Loc 1 38260		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	3	ug/L	0	01/30	COMP
Mon Loc 1 39180		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
	SAMPLE MEASUREMENT										
		PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT										
		PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Wayne C. Lamarche, Jr. Safety & Envir. Control TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT David Reber, Tech. Dir.	TELEPHONE	DATE		
			302-731-1550	87	05	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

File
WW Testing


ANALYTICAL REPORT # C46.12850.7
DATE 5/08/87
DATE SAMPLED 4/28 - 4/29
DATE RECEIVED 4/28 - 4/29
SAMPLED BY CVI/JW
LOG DATE 119

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	5/05	5/05
TIME	0930	0930
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	3 ppb
DUPLICATE	< 1 ppb	3 ppb
SPIKE AMOUNT	10.	22.
% RECOVERY	96%	95%
METHOD USED	EPA 608	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	5/05	4/29	5/06
TIME	1430	1630	1430
TECH	MW	MW	DH
SAMPLE RESULT	1	7.33	0.23
DUPLICATE	1	7.33	0.24
SPIKE AMOUNT	N/A	N/A	50
% RECOVERY	N/A	N/A	109.2%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702
(302) 731-1550

ANALYTICAL REPORT # C46.12850.7
DATE 5/08/97
DATE SAMPLED 4/28 - 4/29
DATE RECEIVED 4/28 - 4/29
SAMPLED BY CVI/JW
LOG DATE 119

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	5/05	5/05
TIME	0930	0930
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	3 ppb
DUPLICATE	< 1 ppb	3 ppb
SPIKE AMOUNT	10.	22.
% RECOVERY	96%	95%
METHOD USED	EPA 808	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	5/05	4/29	5/06
TIME	1430	1630	1430
TECH	MW	MW	DH
SAMPLE RESULT	1	7.33	0.23
DUPLICATE	1	7.33	0.24
SPIKE AMOUNT	N/A	N/A	50
% RECOVERY	N/A	N/A	109.2%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1

David W. Reber

David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

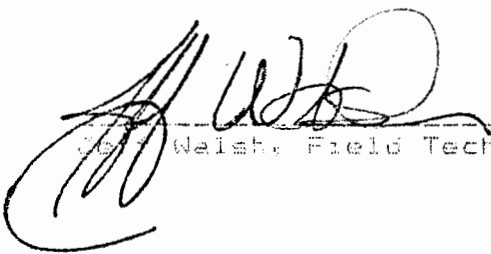
FIELD NOTES - AMTRAK

SAMPLE # C46-090-107-108
3/30/87 - 3/31/87 Start: 3:00 P.M.

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free-flowing tidal water in and out of pipe). Sample tube was placed 10" below water surface at pipe opening at low tide. Light to moderate rain beginning on a.m. of 3/30/87 continuing through 3/31/87. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline.

SAMPLE # C46-091-119-120
3/31/87 - 4/1/87 Start: 3:30 P.M.

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 24" below water surface at high tide. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Rain clearing in early afternoon of 3/31/87. Grab samples taken at pipe opening. Flow: approximately 2.5 gallons per minute.


Jeff Walsh, Field Technician

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE - SUITE 3A
NEWARK, DE 19702

ANALYTICAL REPORT # C46.10352.7

DATE 4/13/87

DATE SAMPLED 3/30 - 3/31

DATE RECEIVED 3/30 - 3/31

SAMPLED BY CVI/JW

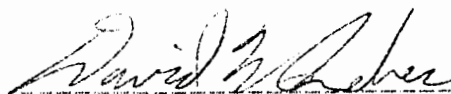
LOG DATES 090

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE
ANALYSIS: DATE	4/9	4/9	4/9
TIME	1300	1300	1300
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	125 ppb
DUPLICATE	< 1 ppb	< 1 ppb	123 ppb
SPIKE AMOUNT	6.	25.	20.5
% RECOVERY	99%	100%	96.4%
METHOD USED	EPA 608	EPA 608	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	4/6	3/31	4/6
TIME	1500	1645	1310
TECH	MW	MW	JM
SAMPLE RESULT	3 ppm	6.27	0.30
DUPLICATE	3 ppm	6.25	0.40
SPIKE AMOUNT	N/A	N/A	.10
% RECOVERY	N/A	N/A	102%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1



David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702


ANALYTICAL REPORT # C46.10352.7
DATE 4/13/87
DATE SAMPLED 3/31 - 4/1
DATE RECEIVED 3/31 - 4/1
SAMPLED BY CVI/JW
LOG DATES 091

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	4/9	4/9
TIME	1300	1300
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	2 ppb
DUPLICATE	< 1 ppb	2 ppb
SPIKE AMOUNT	25.	20.5
% RECOVERY	100%	99.5%
METHOD USED	EPA 608	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	4/6	4/1	4/8
TIME	1430	1635	1310
TECH	MW	MW	JM
SAMPLE RESULT	3	7.67	2.30
DUPLICATE	3	7.67	2.00
SPIKE AMOUNT	N/A	N/A	.10
% RECOVERY	N/A	N/A	92.5%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

INVOICE # 046.10352.7
DATE 4/13/87
LOG DATES 090 - 091
RECEIVED 3/31 - 4/1
COMPLETED 4/9/87

INVOICE TO:

Accounts Payable Section
Amtrak
P.O. Box 2518
Philadelphia, PA 19101

REPORT TO:

Mr. Wayne C. La Marche, Mgr.
Wilmington Maint. Facility

P.O. #

TERMS: Net 30

(OUTFALLS 002A & 001 - NPDES)

QTY	DESCRIPTION	UNIT	TOTAL
4	PH	5.00	\$ 20.00
4	OIL & GREASE	20.00	80.00
6	SURFACTANTS	20.00	120.00
6	TRICHLOROETHYLENE	35.00	210.00
6	PCB/WATER	125.00	750.00
3	DIELDRIN	90.00	270.00
8	FIELD TECH HOURS	20.00	160.00

SUB-TOTAL \$1,610.00

LESS 30% 483.00

TOTAL AMOUNT DUE \$1,127.00

WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

DE 0050962

PERMIT NUMBER

002A

DISCHARGE NUMBER

END OF PHASE I

OMB No. 2040-0044
Expires 2-29-84

WVTP
VANDEVER AVENUE, WILMINGTON, DELAWARE

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
87	03	01	87	03	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (58-65)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	3	3	mg/L	0	01/30	GRAB
Mon Loc <u>1</u> 00556		PERMIT REQUIREMENT	*		*	*	10		15	0	01/30
pH	SAMPLE MEASUREMENT	*	*	*		*	6.27	S.U.	0	01/30	GRAB
Mon Loc <u>1</u> 00400		PERMIT REQUIREMENT	*		*	6.0	*		9.0	0	01/30
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	< 1	ug/L	0	01/30	Comp
Mon Loc <u>1</u> 39516		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.30	mg/L	0	01/30	GRAB
Mon Loc <u>1</u> 38260		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	125	ug/L	0	01/30	Comp
Mon Loc <u>1</u> 39180		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	< 1	ug/L	0	01/30	Comp
Mon Loc <u>1</u> 39380		PERMIT REQUIREMENT	*		*	*	*		*	0	01/30
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

WAYNE C. HAMACHE
MGT. - SAFETY & ENV.

TYPED OR PRINTED CONTROLL

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

DAVID S. REBER, Tech.
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

302/731-1550

DATE

87 04 13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
Expires 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

(2-16) DE 0050962 PERMIT NUMBER	(17-19) 001 DISCHARGE NUMBER
--	---

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
87	03	01	TO	87	03	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	3	3	mg/L	0	01/30	GTAB
	PERMIT REQUIREMENT	*	*		*	10	15		0	01/30	GRAB
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*		*	7.67	S.U.	0	01/30	GTAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	Comp
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	2.30	mg/L	0	01/30	GTAB
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	2	ug/L	0	01/30	Comp
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David S. Reber
DAVID S. REBER, Tech
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

Wayne C. Lamarche
mgr. - Safety & Env.
TYPED OR PRINTED 'CONTROL'

302/731-1550
AREA CODE NUMBER
87 04 13
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

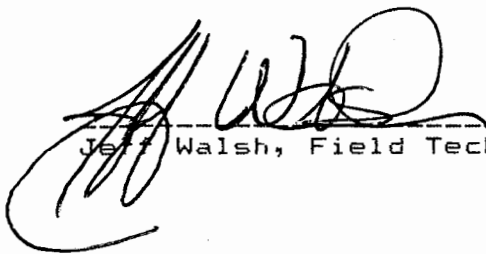
FIELD NOTES - AMTRAK

SAMPLE # C46-090-107-108
3/30/87 - 3/31/87 Start: 3:00 P.M.

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free-flowing tidal water in and out of pipe). Sample tube was placed 10" below water surface at pipe opening at low tide. Light to moderate rain beginning on a.m. of 3/30/87 continuing through 3/31/87. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline.

SAMPLE # C46-091-119-120
3/31/87 - 4/1/87 Start: 3:30 P.M.

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 24" below water surface at high tide. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Rain clearing in early afternoon of 3/31/87. Grab samples taken at pipe opening. Flow: approximately 2.5 gallons per minute.


Jeff Walsh, Field Technician

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE - SUITE 3A
NEWARK, DE 19702

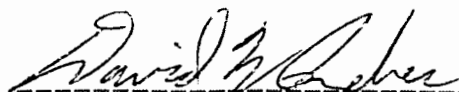
ANALYTICAL REPORT # C46.10352.7
DATE 4/13/87
DATE SAMPLED 3/30 - 3/31
DATE RECEIVED 3/30 - 3/31
SAMPLED BY CVI/JW
LOG DATES 090

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 002A	DIELDRIN	PCB	TRICHTHORETHYLENE
ANALYSIS: DATE	4/9	4/9	4/9
TIME	1300	1300	1300
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	125 ppb
DUPLICATE	< 1 ppb	< 1 ppb	123 ppb
SPIKE AMOUNT	6.	25.	20.5
% RECOVERY	99%	100%	96.4%
METHOD USED	EPA 608	EPA 608	EPA 601

GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	4/6	3/31	4/8
TIME	1500	1645	1310
TECH	MW	MW	JM
SAMPLE RESULT	3 ppm	6.27	0.30
DUPLICATE	3 ppm	6.25	0.40
SPIKE AMOUNT	N/A	N/A	.10
% RECOVERY	N/A	N/A	102%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1



David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

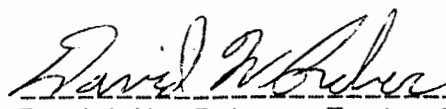
ANALYTICAL REPORT # C46.10352.7
DATE 4/13/87
DATE SAMPLED 3/31 - 4/1
DATE RECEIVED 3/31 - 4/1
SAMPLED BY CVI/JW
LOG DATES 091

Mr. Wayne C. La Marche, Manager
Safety/Environmental Control
National Railroad Passenger Corp.
Wilmington Maintenance Facility
Foot of Vandever Avenue
Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE 001	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	4/9	4/9
TIME	1300	1300
TECH	DR	DR
SAMPLE RESULT	< 1 ppb	2 ppb
DUPLICATE	< 1 ppb	2 ppb
SPIKE AMOUNT	25.	20.5
% RECOVERY	100%	99.5%
METHOD USED	EPA 608	EPA 601

GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)
ANALYSIS: DATE	4/6	4/1	4/8
TIME	1430	1635	1310
TECH	MW	MW	JM
SAMPLE RESULT	3	7.67	2.30
DUPLICATE	3	7.67	2.00
SPIKE AMOUNT	N/A	N/A	.10
% RECOVERY	N/A	N/A	92.5%
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1


David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC.
PEDDLER'S VILLAGE, SUITE 3A
NEWARK, DE 19702

INVOICE # C46.10352.7
DATE 4/13/87
LOG DATES 090 - 091
RECEIVED 3/31 - 4/1
COMPLETED 4/9/87

INVOICE TO:

Accounts Payable Section
Amtrak
P.O. Box 8518
Philadelphia, PA 19101

REPORT TO:

Mr. Wayne C. La Marche, Mgr.
Wilmington Maint. Facility

P.O. #

TERMS: Net 30

(OUTFALLS 002A & 001 - NPDES)

QTY	DESCRIPTION	UNIT	TOTAL
4	PH	5.00	\$ 20.00
4	OIL & GREASE	20.00	80.00
6	SURFACTANTS	20.00	120.00
6	TRICHLOROETHYLENE	35.00	210.00
6	PCB/WATER	125.00	750.00
3	DIELDRIN	90.00	270.00
8	FIELD TECH HOURS	20.00	160.00

SUB-TOTAL \$1,610.00

LESS 30% 483.00

TOTAL AMOUNT DUE \$1,127.00

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

(2-16)
DE 0050962
PERMIT NUMBER

(17-19)
002A
DISCHARGE NUMBER

END OF PHASE I

FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

MONITORING PERIOD
FROM
YEAR MO DAY TO YEAR MO DAY
87 03 01 87 03 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

F
wastewater
treatment test
DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
OIL & GREASE Mon Loc <u>1</u> 00556	<div>SAMPLE MEASUREMENT</div> <div>PERMIT REQUIREMENT</div>	*	*	*	*	3	3	mg/L	0	01/30	GRAB
		*	*		*	10	15		0	01/30	GRAB
pH Mon Loc <u>1</u> 00400	<div>SAMPLE MEASUREMENT</div> <div>PERMIT REQUIREMENT</div>	*	*	*		*	6.27	S.U.	0	01/30	GRAB
		*	*		6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	<div>SAMPLE MEASUREMENT</div> <div>PERMIT REQUIREMENT</div>	*	*	*	*	*	< 1	ug/L	0	01/30	Comp
		*	*		*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	<div>SAMPLE MEASUREMENT</div> <div>PERMIT REQUIREMENT</div>	*	*	*	*	*	0.30	mg/L	0	01/30	GRAB
		*	*		*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	<div>SAMPLE MEASUREMENT</div> <div>PERMIT REQUIREMENT</div>	*	*	*	*	*	125	ug/L	0	01/30	Comp
		*	*		*	*	*		0	01/30	COMP
DIELDRIN Mon Loc <u>1</u> 39380	<div>SAMPLE MEASUREMENT</div> <div>PERMIT REQUIREMENT</div>	*	*	*	*	*	< 1	ug/L	0	01/30	Comp
		*	*		*	*	*		0	01/30	COMP.
	<div>SAMPLE MEASUREMENT</div> <div>PERMIT REQUIREMENT</div>										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David W. Reber
DAVID W. REBER, Tech
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

Wayne C. Lamatche
mgr. - Safety & Env.
TYPED OR PRINTED *CONTROL*

302 731-1550
AREA CODE NUMBER
87 04 13
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
 ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
 FACILITY WWTP
 LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-11) DE 0050962 (17-19) 001
 PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 87 03 01 87 03 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Form Approved
 8 No. 2040-0004
 Expires 2-29-84

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	3	3	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	10	15		0	01/30	GRAB
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*		*	7.67	S.U.	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	Comp
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	2.30	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	2	ug/L	0	01/30	Comp
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

Wayne C. Lamarche
 MGR. - SAFETY & ENV.
 TYPED OR PRINTED (CONT'D)

David S. Reber
 DAVID S. Reber, Tech
 SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302 731-1550 87 04 13
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

CRIPPEN LABORATORIES, INC.

CONSULTING AND RESEARCH CHEMIST

-ANALYST-

4027 New Castle Avenue New Castle, DE 19720

(302) 571-8882

4027 New Castle Avenue
New Castle, De 19720

RECEIVED APR 07 1987

ANALYSIS CERTIFICATE

April 1, 1987

Laboratory No. 26,213 - 26,215; 26,230

From: AMTRAK-Receiving Dept. - Wilmington Maintenance Facility

Material: Wastewater

Marked: Site 001 and 002A

LABORATORY REPORT

Lab. No.	26,230	26,215	26,213	26,214
Marked	Site 001 <u>Composite</u>	Site 001 <u>Grab</u>	Site 002A <u>Composite</u>	Site 002A <u>Grab</u>
pH	7.0	6.9	7.0	6.9
Oil and Grease, mg/L	---	9.0	---	1.0
Oil and Grease, mg/L	---	<u>17.0</u> 13.0 Ave	---	<u>5.0</u> 3.0 Ave
PCB's, ug/L	N.D.	N.D.	N.D.	N.D.
TCE, ug/L	N.D.	N.D.	N.D.	N.D.
Surfactants, mg/L	---	0.300	---	0.200
Dieldrin, ug/L	---	---	N.D.	N.D.

N.D. = none detected.

Respectfully submitted,
CRIPPEN LABORATORIES, INC.

Raymond C. Crippen
by Raymond C. Crippen, Ph.D.
Chemist

2C
RCC/osm

The above analyses are the results of samples as submitted and identified. Crippen Laboratories, Inc. believe these results to be accurate and reliable. Should it be determined that an error has occurred, we will redo analysis at no charge. Crippen Laboratories, Inc., in no case will be liable for any special, consequential, or other alleged incurred damages.

PERMITTEE NAME/ADDRESS (Include Facility Name if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Un Approved
AB No. 2040-0004
Expires 2-29-84.

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.
WASHINGTON, D.C. 20001
FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DE 0050962
PERMIT NUMBER

001
DISCHARGE NUMBER

RECEIVED APR 10 1987

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	03	01		87	04	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	13.0	17.0	mg/L	1	01/30	GRAB
Mon Loc <u>1</u> 00556	PERMIT REQUIREMENT	*	*	*	*	10	15	mg/L	0	01/30	GRAB
pH	SAMPLE MEASUREMENT	*	*	*	6.9	*	7.0	S.U.	0	01/20	GRAB
Mon Loc <u>1</u> 00400	PERMIT REQUIREMENT	*	*	*	6.0	*	9.0	S.U.	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	ug/L	0	01/30	COMP
Mon Loc <u>1</u> 39516	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0	01/30	COMP
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.30	mg/L	0	01/30	GRAB
Mon Loc <u>1</u> 38260	PERMIT REQUIREMENT	*	*	*	*	*	*	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	ug/L	0	01/30	COMP
Mon Loc <u>1</u> 39180	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0	01/30	COMP
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Wayne C. Chaffard
Hqs. Safety

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.

R.C. Crippen, Ph.D.
R.C. Crippen, Ph.D.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

802-571-8882

DATE

87 03 31

AREA CODE

NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

FACILITY WWT
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

(2-16)
DE 0050902
PERMIT NUMBER

(17-19)
002A
DISCHARGE NUMBER

END OF PHASE I

RECEIVED APR 10 1987

No. 2040-0004
Res 2-29-84

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	03	01		87	04	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)					
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM								
OIL & GREASE Mon Loc 1 00556	SAMPLE MEASUREMENT	*	*	*	*	3.0	5.0	0	01/30	GRAB					
	PERMIT REQUIREMENT	*	*		*	10	15	0	01/30	GRAB					
pH Mon Loc 1 00400	SAMPLE MEASUREMENT	*	*	*	6.9	*	7.0	0	01/30	GRAB					
	PERMIT REQUIREMENT	*	*		6.0	*	9.0	0	01/30	GRAB					
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc 1 39516	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	COMP					
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.					
SURFACTANTS (MBAS) Mon Loc 1 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.20	0	01/30	GRAB					
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	GRAB					
TRICHLOROETHYLENE Mon Loc 1 39180	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	COMP					
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP					
DIELDRIN Mon Loc 1 39380	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	COMP					
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.					
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.				TELEPHONE		DATE							
Wayne C. LaFouché Mgr. Safety						302-571-8882		87 03 31							
TYPED OR PRINTED						R.C. Crippen, Ph.D. SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE NUMBER YEAR MO DAY							

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

CRIPPEN LABORATORIES, INC.

CONSULTING AND RESEARCH CHEMIST

-ANALYST-

4027 New Castle Avenue New Castle, DE 19720

(302) 571-8882

4027 New Castle Avenue

New Castle, De 19720

ANALYSIS CERTIFICATE

March 9, 1987

Laboratory No. 25,931 - 25,933

From: AMTRAK-RECEIVING DEPT.; Wilmington Maintenance Facility

Material: Wastewater

Marked: Site 001 and Site 002A

LABORATORY REPORT

Lab. No.	25,931 - 25,932	25,933 - 25,934		
Marked	Site 001 <u>Composite</u>	Site 001 <u>Grab</u>	Site 002A <u>Composite</u>	Site 002A <u>Grab</u>
pH	6.50	6.70	6.00	6.30
Oil and Grease, mg/L	---	5.0	---	9.0
Oil and Grease, mg/L	---	0.0/0.0	---	0.0/0.0
		1.7 Ave.		3.0 Ave.
PCB's, ug/L	N.D.	N.D.	N.D.	N.D.
TCE, ug/L	N.D.	N.D.	N.D.	N.D.
Surfactants, mg/L	---	0.10	---	0.25
Dieldrin, ug/L	---	---	N.D.	N.D.

N.D. = none detected

Respectfully submitted,
CRIPPEN LABORATORIES, INC.

Raymond C. Crippen
by Raymond C. Crippen, Ph.D.
Chemist

2c

RCC/osm

The above analyses are the results of samples as submitted and identified. Crippen Laboratories, Inc. believe these results to be accurate and reliable. Should it be determined that an error has occurred, we will redo analysis at no charge. Crippen Laboratories, Inc., in no case will be liable for any special, consequential, or other alleged incurred damages.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT CHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Approved
UMB No. 2040-0004
Expires 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

DE 0050962
PERMIT NUMBER

002A
DISCHARGE NUMBER

END OF PHASE I

FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	02	01		87	03	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)					
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM								
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	3.0	9.0	0	01/30	GRAB					
	PERMIT REQUIREMENT	*	*		*	10	15	0	01/30	GRAB					
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	6.0	*	6.7	0	01/30	GRAB					
	PERMIT REQUIREMENT	*	*		6.0	*	9.0	0	01/30	GRAB					
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	GRAB					
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.					
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.25	0	01/30	GRAB					
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	GRAB					
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	COMP.					
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.					
DIELDRIN Mon Loc <u>1</u> 39380	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	COMP.					
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.					
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE							
						302 571-8882		87	03	06					
TYPED OR PRINTED						R.C. Crippen, Ph.D.									
						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR MO DAY					

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME Facility Name ADDRESS (Include in if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Approved
OMB No. 2040-0004
Expires 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)

ADDRESS WILMINGTON MAINTENANCE FACILITY

400 NORTH CAPITAL ST. N.W.

WASHINGTON, D.C. 20001

FACILITY WWTP

LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DE 0050962

PERMIT NUMBER

001

DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	02	01		87	03	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OIL & GREASE Mon Loc 1 00556	SAMPLE MEASUREMENT	*	*	*	*	1.7	5.0	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	10	15	0	01/30	GRAB
pH Mon Loc 1 00400	SAMPLE MEASUREMENT	*	*	*	6.0	*	6.7	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc 1 39516	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc 1 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.10	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc 1 39180	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	COMP.
	PERMIT REQUIREMENT	*	*		*	*	*	0	01/30	COMP.
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

R. C. Crippen
R. C. Crippen, Ph.D.
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

302 571-8882

87 03 06

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

CRIPPEN LABORATORIES, INC.

CONSULTING AND RESEARCH CHEMIST

-ANALYST-

4027 New Castle Avenue New Castle, DE 19720
(302) 571-8882

4027 New Castle Avenue
New Castle, De 19720

ANALYSIS CERTIFICATE

Laboratory No. 25,744 - 25,745; 25,753 - 25,754

January 22, 1987

From: AMTRAK - Receiving Department; Wilmington Maintenance Facility

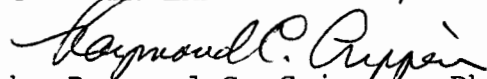
Material: Wastewater

Marked: Site 001 and 002A

LABORATORY REPORT

Lab. No.	25,744	25,745	25,753	25,754
Marked	Site 001 <u>Composite</u>	Site 001 <u>Grab</u>	Site 002A <u>Composite</u>	Site 002A <u>Grab</u>
pH	7.05	7.45	7.20	7.15
Oil and Grease, mg/L	---	3.0	---	5.0
Oil and Grease, mg/L	---	1.0	---	4.0
PCB's, ug/L	N.D.	N.D.	N.D.	N.D.
TCE, ug/L	N.D.	N.D.	N.D.	N.D.
Surfactants, mg/L	---	6.9	---	20.6
Dieldrin, ug/L	---	---	N.D.	N.D.
N.D. = none detected				

Respectfully submitted,
CRIPPEN LABORATORIES, INC.


by Raymond C. Crippen, Ph.D.
Chemist

2c
RCC/osm

CRIPPEN LABORATORIES, INC.

CONSULTING AND RESEARCH CHEMIST

-ANALYST-

4027 New Castle Avenue New Castle, DE 19720
(302) 571-8882

4027 New Castle Avenue
New Castle, De 19720

ANALYSIS CERTIFICATE

Laboratory No. 25,744 - 25,745; 25,753 - 25,754

January 22, 1987

From: AMTRAK - Receiving Department; Wilmington Maintenance Facility

Material: Wastewater

Marked: Site 001 and 002A

LABORATORY REPORT

Lab. No.	25,744	25,745	25,753	25,754
Marked	Site 001	Site 001	Site 002A	Site 002A
	<u>Composite</u>	<u>Grab</u>	<u>Composite</u>	<u>Grab</u>
pH	7.05	7.45	7.20	7.15
Oil and Grease, mg/L	---	3.0	---	5.0
Oil and Grease, mg/L	---	1.0	---	4.0
PCB's, ug/L	N.D.	N.D.	N.D.	N.D.
TCE, ug/L	N.D.	N.D.	N.D.	N.D.
Surfactants, mg/L	---	6.9	---	20.6
Dieldrin, ug/L	---	---	N.D.	N.D.
N.D. = none detected				

Respectfully submitted,
CRIPPEN LABORATORIES, INC.

Raymond C. Crippen
by Raymond C. Crippen, Ph.D.
Chemist

2c
RCC/osm

PERMITTEE NAME (Include Facility Name) / ADDRESS (Include in it if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Approved
U.S. No. 2040-0004
Expires 2-29-84

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)

ADDRESS WILMINGTON MAINTENANCE FACILITY

400 NORTH CAPITAL ST. N.W.

WASHINGTON, D.C. 20001

FACILITY WWTP

LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

DE 0050962
PERMIT NUMBER

001
DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	01	01		87	02	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OIL & GREASE Mon Loc 1 00556	SAMPLE MEASUREMENT	*	*	*	*	2.0	3.0	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	10	15	0	01/30	GRAB
pH Mon Loc 1 00400	SAMPLE MEASUREMENT	*	*	*	7.05	*	7.45	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	6.0	*	9.0	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc 1 39516	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc 1 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.007	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc 1 39180	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	0	01/30	COMP
	PERMIT REQUIREMENT	*	*	*	*	*	*	0	01/30	COMP.
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Wayne C. LaMarche
Mgr - Safety & Env Cont.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

R.C. Crippen
R.C. Crippen, Ph.D.
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

302-571-8882

AREA CODE

NUMBER

DATE

87 01 22

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)
ADDRESS WILMINGTON MAINTENANCE FACILITY
400 NORTH CAPITAL ST. N.W.

FACILITY WWTP
LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DE 0050962

PERMIT NUMBER

002A

DISCHARGE NUMBER

END OF PHASE I

APPROVED
No. 2040-0004
Expires 2-29-84

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
87	01	01		87	02	01
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DESIGNATOR A

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
OIL & GREASE Mon Loc <u>1</u> 00556	SAMPLE MEASUREMENT	*	*	*	*	4.5	5.0	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	10	15		0	01/30	GRAB
pH Mon Loc <u>1</u> 00400	SAMPLE MEASUREMENT	*	*	*	7.15	*	7.20	S.U.	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		6.0	*	9.0		0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S) Mon Loc <u>1</u> 39516	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
SURFACTANTS (MBAS) Mon Loc <u>1</u> 38260	SAMPLE MEASUREMENT	*	*	*	*	*	0.021	mg/L	0	01/30	GRAB
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	GRAB
TRICHLOROETHYLENE Mon Loc <u>1</u> 39180	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP
DIELDRIN Mon Loc <u>1</u> 39380	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	ug/L	0	01/30	COMP
	PERMIT REQUIREMENT	*	*		*	*	*		0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Wayne C. LaMarche
Mgr - Safety & Env Cont

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1998

[Faint, illegible text from the reverse side of the page]

Figure 1

Yield

BACK

10